



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: C M S HIGH SCHOOL
Address: PALLOM, KOTTAYAM, KOTTAYAM,
Kerala, India
Coordinator Name: LIMA CHACKO



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

C M S HIGH SCHOOL

2

Address

PALLOM, KOTTAYAM, KOTTAYAM, Kerala, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0481 (NUMBER) 2430461

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9847913272

5

Principal Name

MARIYAMMA OOMMEN

6

GSP Coordinator Name

LIMA CHACKO

7

GSP Coordinator Email

palamoottillima@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9947200148

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:5

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: Kerala

4

Total permanent population of the school

	Male	Female	Total
Students	412	70	482
Teachers	5	17	22
Non-Teaching Staff	1	3	4
TOTAL	418	90	508

4(b)

How many visitors visit your school

25

5

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

196

6

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

July

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Lima chacko	Lima chacko

Administrative staff

Sno.	Name	Email
1.	Lima chacko	palamoottillima@gmail.com
2.	Aleyamma Joseph	
3.	Lisa George	

Students

Sno.	Name	Email	Grade/Class
1.	Albin Joseph		9
2.	aNikhil Joseph		9
3.	Justin T S		9
4.	Alen Shibu Paul0q1		10
5.	Steev Johns		9
6.	Rueben Johns Binu		10
7.	Amal T Prasannakar		9
8.	Athul Sebastian		9
9.	Kevimn Punnoose		9
10.	Amal Chandram		10

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

1 How many classrooms does your school have?

12

2 Window-floor ratio of classrooms in the school.

Details of the classroom (e.g. Class II section b)	$X = \text{Area of floor (LxB)}$	$Y = \text{Area of openings (LxH)}$	Percentage of the floor area being ventilated ($Y/X \times 100$)
---	----------------------------------	-------------------------------------	---

10 A	36.78	24.40	66.34
10 B	37.82	24.80	65.57
10 C	38.43	25.20	65.57
10 D	37.45	24.40	65.15
9 A	36.78	24.40	66.34
9 B	36.78	24.40	66.34
9 C	41.20	24.60	59.71
8 A	38.43	25.20	65.57
8 B	36.78	24.40	66.34
7 A	41.20	24.60	59.71
TOTAL	381.65	246.40	

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	0	0	1	0	1
No. of vehicles more than five years old	0	0	0	0	0
Air conditioned	0	0	0	0	0
No. of vehicles with PUC done	0	0	0	0	0
Parking area (m2)	0	10	10	1590	1610

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	0	0	0	0	0	0
Car	0	0	0	0	0	0
Van	1	0	0	0	0	0
Other vehicles	0	0	0	0	0	0
SUB-TOTAL	1	0	0	0	0	0

Supporting Documents

1. school.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	105	2	0	107
Public Bus	125	9	3	137
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	25	0	0	25
Personal four-wheeler	0	3	0	3
Personal two-wheeler	0	4	0	4
Bicycle	38	0	0	38
On foot	189	4	1	194
Others (non-motorised)	0	0	0	0
SUB-TOTAL	482	22	4	508

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.	Lisa George	lisageorgee75@gmail.com
3.	Lima Chacko	palamootillima@gmail.com

Administrative staff

Sno.	Name	Email
1.	Krupa Susan P George	
2.	Giji John	

Students

Sno.	Name	Email	Grade/Class
1.	Abin John		10
2.	Sabin P Raju		10
3.	Jijo Mon Shaji		10
4.	Anoop Anil		10
5.	Sagar Aji		9
6.	Binu Chandy		9
7.	Jackson T J		10
8.	Febin Baiju		10
9.	Vishnu K S		9
10.	Vishnu M		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)	324	1166.40	1
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	0	0.00	0
Diesel (litres)	220	10032.00	1
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)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	02	103.20	1
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1046.00	20101.60	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	0	0	0
Microwave	0	0	0

Tube Lights	10	40	4
CFL Bulbs	3	12	3
LED Lights	0	0	0
Fans	13	60	4

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.	Jayasree K B	jayasreekb@gmail.com

Administrative staff

Sno.	Name	Email
1.	Leena P Kurian	leenakurian. 0@gmail.com
2.	John Mathai	
3.	Valsamma John	

Students

Sno.	Name	Email	Grade/Class
1.	Ananthan Premji		10
2.	Ananthu Anish		10
3.	Vinaya M		9
4.	Teja mol R		9
5.	Abhirami K S		9
6.	Akhil P S		9
7.	Jinsu Mon		8
8.	Joji Mathew		8
9.	Alfy Johnson		8
10.	Jishnu M		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

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	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?

Yes

4(a)

Please provide the details:

	Number of plates sold when on the menu
Samosas	0
Idli/vada and sambhar	0

Pav bhaji	0
Momos	0
Others	10

4(b)

Give descriptions for rare local snacks served in your school:?

Biscuits anf coffee

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

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Elena John	elenajohn61@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mareena T Kuruvila	
2.	Reji M P	
3.	Bincy Joseph	

Students

Sno.	Name	Email	Grade/Class
1.	Nesin Biju		10
2.	Vivek R		10
3.	Vishu Raj		9
4.	Abin Sibi		10
5.	Athul Paul Jojo		8
6.	Ruth John		9
7.	Sruthi Mol Suresh		10
8.	Alen Sebastian		9
9.	Alen Mon		10
10.	Sarang Satyadas		10

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)	20,234
Ground coverage area	8,094

Green landscaped area on-ground	4,046
Surface parking area	30
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	2,000
Service Area on ground	1,030
Roof and terrace area	0
Green cover on exposed roof & terrace	0
Total built up/constructed area	4,046
Total no. of floors	8
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	20	15	35
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

No documents uploaded by the school.



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Gigi John	gigi.john67@gmail.com

Administrative staff

Sno.	Name	Email
1.	Leena P Kurian	leenakurian10@gmail.com
2.	Aleyamma Joseph	sjsulekhajoseph@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Abin John		10
2.	Sreejith Manoj		10
3.	Sarath S		10
4.	Sabin Santhosh		10
5.	Rhith Santhosh		10
6.	Sabin P Raju		10
7.	Rejin Babu		10
8.	Robinson A R		10
9.	Nithin Shaji		10
10.	Sagar Aji		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	700
Toilet flushing	2000
Personal cleaning	1000
Washing clothes	0

Cooking	1200
Cleaning Utensils	300
Washing Vegetables	10
Mopping floors	300
Gardening	700
Total	6210

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?

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

7-12 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?	Yes
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?	Yes
Does your school use a drip or irrigation system?	No
Any other step taken for water conservation? (if Yes, please specify)	No

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 storing

6(b)(1) If your school only stores rainwater, please select the use of stored rainwater.

Gardening

6(b)(2) Does your school have rainwater storage tank?

Yes

6(b)(2)(a) Total capacity of storage tank (litres)

20000.00

6(b)(2)(b) Total number of storage tanks

1.00

6(b)(2)(c) Location of tanks:

Over ground

6(b)(2)(d) Material options for tanks

Combination of PVC + RCC + Brick

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

10 to 20 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:

Poor

No documents uploaded by the school.

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

No

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

No

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?	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?

15

9 How many hand pumps do you have?

0

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

15

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

	Girls	Boys	Common	Total
Number of toilets	2	2	2	6

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?

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.	Lima Chacko	palamoottillima@gmail.com

Administrative staff

Sno.	Name	Email
1.	Valsamma John	jnvalsamma@gmail.com
2.	Jayasree K B	jayasreekb@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Binu Chandy		10
2.	Rhul Reji		10
3.	Jijo Mon Shaji		10
4.	Nirmal M P		10
5.	Gohul Ramesh		10
6.	Lithin Peter		10
7.	Febin Baiju		10
8.	Bineesh K Reji		10
9.	Aromal K Reji		10
10.	Akash P Mathew		10

Task 2: What is the waste segregation system in your school?

1

Does your school segregate solid waste?

No

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	4	1	1	1	1

Playgrounds	18	5	5	5	3
Common area (e.g. reception, corridors)	18	5	5	5	3
Staffroom	11	2	4	2	3
Laboratory	6	2	2	1	1
Canteen	12	2	5	2	3
Clinic/ Sick room	5	1	2	1	1
Library	5	1	2	1	1
Toilets	11	3	3	2	3
Others	4	1	1	1	1
Total	94	23	30	21	20

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	80
Paper	10
Plastic	5
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	2
Sanitary waste	10
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

132

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?

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)	✗	✗	✓	✗

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)

No documents uploaded by the school.

9

Does your school burn waste?

Yes

No documents uploaded by the school.

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	1	1	
VCR or DVD players	1	1	
Refrigerators and freezers	0	0	
Washing machines	0	0	
Air conditioners	0	0	
Heaters	0	0	
Microwaves	0	0	
Ovens	0	0	
Toasters	0	0	
Electric Kettles	0	0	
Personal computers (CPU, mouse, screen and keyboard included)	21	21	

Laptop computer (CPU, mouse, screen and keyboard included)	9	9	
Notebook computers	0	0	
Notepad computers	0	0	
Printers	1	1	
Copying equipment (Photocopiers)	1	1	
Projectors	5	5	
Whiteboards	2	2	
Electrical & electronic typewriters	0	0	
Pocket & desk calculators	0	0	
Fax machines	0	0	
Telex	0	0	
Telephones	1	1	
Pay telephones	0	0	
Mobiles	0	0	
Answering systems	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?

Authorised dismantler

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?

By the showcasing of posters and stickers

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 bio -gas plant

8

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Good
Distribution of time among tasks	Average
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?

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?

25.00

Checklist of uploaded documents

1. Picture of School owned vehicles