

Responses for Green Schools Programme Audit 2016

School Name: CMS LP SCHOOL ENNOORAMVAYAL

Address: VECHOOCHIRA P O, VECHOOCHIRA,

PATHANAMTHITTA,

PATHANAMTHITTA, Kerala, India

Coordinator Name: SABU PULLATTU



Green Schools Programme

Centre for Science and Environment

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Tel: +91-11 29955124, 29956110, 40616000

http://www.greenschoolsprogramme.org/

SCHOOL PROFILE

Name of the School / Institution

CMS LP SCHOOL ENNOORAMVAYAL

2 Address

VECHOOCHIRA PO, VECHOOCHIRA, PATHANAMTHITTA, PATHANAMTHITTA, Kerala, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 473 (NUMBER) 5265013

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9446409329

5 Principal Name

MATHEW P T

6 GSP Coordinator Name

SABU PULLATTU

GSP Coordinator Email

ssabupullattu@gmail.com

8 GSP Coordinator Mobile Number

(ISD)91 (Number) 9447256855

Category Of The School

Day Scholar

School Shifts

Both

GENERAL QUESTIONS

How many levels does your school have?

Lowest level of grade:5 Highest level of grade:5

ls your school single gender or mixed gender?

Mixed/Co-education

Which board of education does the school follow?

Other: 'KERALA EDUCATION DEPARTMENT'

Total permanent population of the school

	Male	Female	Total
Students	209	213	422
Teachers	3	13	16
Non-Teaching Staff	1	2	3
TOTAL	213	228	441

4(b) How many visitors visit your school

25

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

200

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

June, July, Aug, Sep, Oct

Where is the school located?

Rural Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	MATHEW P T	MATHEW P T
2.	ROSAMMA JOBI	cmsvechoochira@gmail.com
3.	SHEENA BINU	cmsvechoochira@gmail.com

Administrative staff

Sno.	Name	Email
1.	BIJU K J	cmsvechoochira@gmail.com
2.	RADHA BABY	cmsvechoochira@gmail.com
3.	GOPALAKRISHNAN NAIR	cmsvechoochira@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	SHIVLAL BABU	cmsvechoochira@gmail.com	5
2.	ANOOP S	cmsvechoochira@gmail.com	5
3.	ARJUN AJIKUMAR	cmsvechoochira@gmail.com	5
4.	LEYA MARY	cmsvechoochira@gmail.com	5
5.	BHAVYA T BINU	cmsvechoochira@gmail.com	5
6.	ASHWITHA ROY	cmsvechoochira@gmail.com	5
7.	AKHILA P NAIR	cmsvechoochira@gmail.com	4
8.	SWATHI C S	cmsvechoochira@gmail.com	4
9.	HARISHANKAR	cmsvechoochira@gmail.com	4
10.	JERON JACOB	cmsvechoochira@gmail.com	4

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

1 How many classrooms does your school have?

14

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-KGSECTION	548.64	120.00	21.87
LP SECTION A	731.52	220.00	30.07
LP SECTION B	487.68	110.00	22.56
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
TOTAL	1,767.84	450.00	

Task 3: How eco-friendly are the vehicles in your school?

What is the ownership used by the vehicles used in your school? Please choose what is applicable?

A combination of school-owned and operator-owned vehicles

3(a) Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	1	0	0	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)	600	0	0	0	600

Supporting Documents

1. 18.jpg

3(b) Specify the type of fuel used by your school vehicles:

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

Supporting Documents

1. 18.jpg

Task 4: How do you travel to school every day?

How many members of the school community use each type of transport:

	Students	Teaching Staff	Non Teaching Staff	Total
Schoool Bus	120	8	2	130
Public Bus	25	2	3	30
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	60	0	0	60
Taxi three-wheeler	40	0	0	40
Personal four-wheeler	0	3	0	3
Personal two-wheeler	0	0	0	0
Bicycle	0	0	0	0

On foot	174	3	1	178
Others (non-motorised)	0	0	0	0
SUB-TOTAL	419	16	6	441

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

How many students suffer from respiratory ailments?

0

Does the school laboratory have air quality monitoring equipment?

No

No documents uploaded by the school.

If No, is there an air quality monitoring station (private or government) close to your school?

No

6(a)



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	ROY GEORGE VARGHESE	cmsvechoochira@gmail.com
2.	MINI P SOLOMON	cmsvechoochira@gmail.com
3.	ALEENA	cmsvechoochira@gmail.com

Administrative staff

Sno.	Name	Email
1.	SHYNU CHAKO	satvisionvechoochira@gmail.com
2.	KURIAN C E	cmsvechoochira@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	ABHISHEK SUKUMARAN	cmsvechoochira@gmail.com	5
2.	AISWARYA SUNIL	cmsvechoochira@gmail.com	5
3.	BLESSY MOL K M	cmsvechoochira@gmail.com	5
4.	ALBIN SHAJI	cmsvechoochira@gmail.com	5
5.	JOMINA JOJI	cmsvechoochira@gmail.com	5

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)	911	3279.60	0
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	0	0.00	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)	200	3520.00	0
Animal waste (kilogrammes)	0	0.00	0
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	16	825.60	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1407.00	20393.20	

No documents uploaded by the school.

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	5	40 Watts	0
CFL Bulbs	20	18 Watts	0
LED Lights	0	0	0

Fans	25	50 Watts	0

No documents uploaded by the school.

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

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

300

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

No

No documents uploaded by the school for energy chapter.



Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	SEENA P DAN	cmsvechoochira@gmail.com
2.	SUMA SURESH	cmsvechoochira@gmail.com
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Administrative staff

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3.	MANIKKUTTAN	cmsvechoochira@gmail.com
4.	THOMAS MATHEW	cmsvechoochira@gmail.com
5.	NAZER	cmsvechoochira@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	RAHUL RAJESH	cmsvechoochira@gmail.com	5
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3.	ASWITHA ROY	cmsvechoochira@gmail.com	5
4.	ABHIJTH M A	cmsvechoochira@gmail.com	5
5.	ANOOP S	cmsvechoochira@gmail.com	5

Task 2: Find out about the food service in your school.

Does your school have a provision/space to sell packaged food items within the campus

No

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

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.

Does your school serve traditional Indian snacks?

No

Does your school serve traditional Indian beverages?

No

Task 4: What kind of food does your school promote?

Does the school distribute packaged food items as rewards during schools events?

No

No

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

No

No documents uploaded by the school.



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
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3.	ANITHA HARILAL	cmsvechoochira@gmail.com

Administrative staff

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1.	VALSA VIJAYAN	cmsvechoochira@gmail.com
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Students

Sno.	Name	Email	Grade/Class
1.	ABIN SAJ	cmsvechoochira@gmail.com	5
2.	ANN MARIA SAJI	cmsvechoochira@gmail.com	5
3.	ASWATHY K	cmsvechoochira@gmail.com	5
4.	CHRISTOPHER SANTHOSH	cmsvechoochira@gmail.com	5
5.	LEYA MARY THOMAS	cmsvechoochira@gmail.com	5
6.	VISHNU PRASANTH	cmsvechoochira@gmail.com	5

Task 2: Measure the four critical areas of your school campus

Complete the table:

	Your school's area
Site area in square meter (m2)	4,000
Ground coverage area	4,000
Green landscaped area on-ground	1,200
Surface parking area	600

Play area that is paved/ concrete on ground	0
Play area that has grass on ground	100
Service Area on ground	0
Roof and terrace area	650
Green cover on exposed roof & terrace	0
Total built up/constructed area	700
Total no. of floors	1
Others	0

Task 3: Explore the number of species of plants and animals in your school

How many species of plants and animals exist in your school?

	Native	Exotic	Total
Plants	65	4	69
Animals	2	0	2

Task 4: Find out if your school uses pesticides

Do you use chemical based pesticides in your school green cover?

No

Supporting Documents

- 1. 15.jpg
- 2. 16.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
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3.	SUSAN Y	cmsvechoochira@gmail.com

Administrative staff

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1.	ANISH M K	cmsvechoochira@gmail.com
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Students

Sno.	Name	Email	Grade/Class
1.	SREEJITH SANTHOSH	cmsvechoochira@gmail.com	5
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3.	NIMAL SEBASTIAN	cmsvechoochira@gmail.com	5
4.	SACHIN V S	cmsvechoochira@gmail.com	5
5.	ANEETTA BIJU	cmsvechoochira@gmail.com	5
6.	ALEENA BIJU	cmsvechoochira@gmail.com	5

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	450
Toilet flushing	100
Personal cleaning	500
Washing clothes	100

Cooking	1000
Cleaning Utensils	500
Washing Vegetables	250
Mopping floors	100
Gardening	1000
Total	4000

Task 3: What are the sources, supply and storage of water in your school

Where does the water your school uses, come from?

Surface water, Rain water

Who supplies the water in your school?

Panchayat, School's own supply (bore well, rainwater harvesting facility, etc)

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?

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?	Yes
Any other step taken for water conservation? (if Yes, please specify)	No

Supporting Documents

- 1. 12.jpg
- 2. 13.jpg

Task 5: Does your school harvest rainwater?

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

Yes

6(a) Does your school harvest different catchments?.

Yes

6(a)(1) Which is the catchment area being harvested by your school?

Rooftop

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)

3000.00

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

2.00

6(b)(2)(c)	Location of tanks:
	Over ground
6(b)(2)(d)	Material options for tanks
	PVC
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:
	Average

Supporting Documents

1. 14.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?
No

6(h) What is the trend of groundwater level in your school across the year?
No change

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?

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

How many drinking water taps do you have?

20

How many hand pumps do you have?

0

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

1

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

	Girls	Boys	Common	Total
Number of toilets	10	5	2	17

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

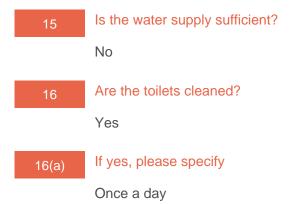
2

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

0

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

Yes



Task 7: Does your school reuse/recycle waste water?

Does your school treat wastewater?

Does your school reuse the treated wastewater?

No

Please specify the fate of wastewater

Used for gardening and horticulture

No documents uploaded by the school.



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	SABU PULLATTU	ssabupullattu@gmail.com
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Administrative staff

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Students

Sno.	Name	Email	Grade/Class
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3.	SANDRA S	cmsvechoochira@gmail.com	5
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5.	FEBA ANNA BIJU	cmsvechoochira@gmail.com	4
6.	LENA JOSEPH	cmsvechoochira@gmail.com	4

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

Does your school segregate solid waste?

Yes

Who segregates the waste at source?

- 1. Students and teachers
- 2. Housekeeping (Sweeper)

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	14	0	12	2	0
Playgrounds	2	0	1	1	0
Common area (e.g. reception, corridors)	2	0	2	0	0
Staffroom	2	0	1	1	0
Laboratory	0	0	0	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	10	0	10	0	0
Others	2	0	2	0	0
Total	33	0	29	4	0

Supporting Documents

- 1. 1.JPG
- 2. 2.jpg

Task 3: How much waste does your school generate?

Determine the quantity of waste generated in your school. (in kilogram)

	Collection per month (Frequency may differ)
Garden/ horticulture waste	25
Kitchen waste	150
Paper	40
Plastic	15
Wood, glass, metal, classroom furniture	150
E-waste	1

Biomedical waste	0
Sanitary waste	1
Construction and Demolition (C & D) waste	10
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	392

No documents uploaded by the school.

Task 4: How much waste does your school recycle/treat?

Does your school recycle any generated waste?

No

Does your school have a composting facility?

No

Does your school encourage students & teachers to reuse textbooks?

Yes

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	×	×	×	4

Biomedical waste (e.g. waste from Nurse's room in school, e.g. band-aids, syringe)

Supporting Documents

- 1. 3.jpg
- 2. 11.jpg

Task 5: How does your school dispose waste?

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

Designated dumping site (Dhalao)

Supporting Documents

1. 4.jpg

Does your school burn waste?

Yes

Supporting Documents

1. 5.jpg

9a Where does your school burn waste?

Inside the school

What kind of waste is being burnt/ incinerated?

HorticulturalPaper

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

	Total	Working conditions	Non-working condition
TVs	1	1	0

VCR or DVD players	1	1	0
Refrigerators and freezers	0	0	0
Washing machines	0	0	0
Air conditioners	0	0	0
Heaters	0	0	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	12	10	2
Laptop computer (CPU, mouse, screen and keyboard included)	3	2	1
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	3	2	1
Copying equipment (Photocopiers)	1	1	0
Projectors	2	2	0
Whiteboards	4	4	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	5	5	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	3	2	1
Pay telephones	0	0	0
Mobiles	10	10	0
Answering systems	0	0	0

No documents uploaded by the school.

Do you know that your E-waste can be collected by an authorised dealer or dismantler?

No

Task 6: School's initiatives

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. c1.jpg
- 2. 6.jpg
- 3. 7.jpg

What form do these awareness drives take?

As part of extracurricular activities such as guest lectures

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. 8.jpg



FEEDBACK

Has your school participated in the Green Schools Programme (GSP) Audit before?

No

Have teachers from your school participated in teacher interactive workshops organized by the GSP team?

No

Did you find the online information relevant to your environmental education activities?

Yes

Was the audit easy-to-understand and self-explanatory?

Yes

Did you understand the present format of the GSP?

Yes

Do you think your school will be a Green School (resource efficient) by 2019?

Yes

What would be the help required to make your school a Green School?

Support and guidance in all areas

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

Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?

No

Could you finish all the tasks in given period of time online?

Yes

How many times did you contact the Green Schools Programme Team for guidance and counseling?

Never

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

Did your students enjoy doing the Water activities?

Yes

150.00

Checklist of uploaded documents

1. Fuel Bills

13(a)

- 2. Picture of School owned vehicles
- 3. Electricity Bill
- Picture of Renewable sources of Energy
- 5. Picture of Mid-day meal being served
- 6. Photographs of lunch boxes
- 7. Pictures of landscaped area
- 8. Building construction plan
- 9. Pictures of bio-pesticides
- 10. Pictures of dustbins in classroom showing segregation at source

How many students were involved in the activities?

- 11. Pictures of playground with more than two dustbins
- 12. Picture of audit team weighing solid waste
- 13. Picture of types of solid waste generated
- Pictures of recycling units composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
- 15. Pictures of housekeeping staff disposing different types of solid waste
- 16. Pictures of burning waste
- 17. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
- 18. Pictures of respective audit teams doing survey