

Responses for Green Schools Programme Audit 2016

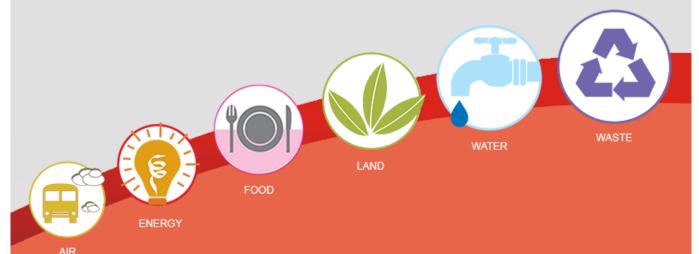
School Name: LAKE MONTFORT SCHOOL

Address: Kurudu Sonnena Halli, Virgo Nagar-Post,

Medahalli(Via), Karnataka State-India, Bangalore-560 049., BANGALORE,

BANGALORE, Karnataka, India

Coordinator Name: GNANASEKAR Y



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

Name of the School / Institution

LAKE MONTFORT SCHOOL

2 Address

Kurudu Sonnena Halli, Virgo Nagar-Post, Medahalli(Via), Karnataka State-India, Bangalore-560 049., BANGALORE, BANGALORE, Karnataka, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 080 (NUMBER) 32479906

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9448359424

5 Principal Name

REV. BRO. JENNY KURIAKOSE

6 GSP Coordinator Name

GNANASEKAR Y

GSP Coordinator Email

apggnanasekar@gmail.com

6 GSP Coordinator Mobile Number

(ISD)91 (Number) 8904465506

g Category Of The School

Day Scholar

10 School Shifts

Both

GENERAL QUESTIONS

How many levels does your school have?

Lowest level of grade:1 Highest level of grade:12

ls your school single gender or mixed gender?

Mixed/Co-education

Which board of education does the school follow?

Central Board of Secondary Education

Total permanent population of the school

	Male	Female	Total
Students	683	552	1235
Teachers	14	52	66
Non-Teaching Staff	41	18	59
TOTAL	738	622	1360

4(b) How many visitors visit your school

50

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

224

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

Aug, Sep, Oct

Where is the school located?

Rural Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	REV. BRO. JENNY KURIAKOSE	REV. BRO. JENNY KURIAKOSE
2.	GNANASEKAR Y	apggnanasekar@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR. SOMASHEKHARAIAH DS	shekli74@gmail.com
2.	MRS. ANANDA JYOTHI.S	
3.	NRS. BINI P KURIAKOSE	biniraj16@gmail.com
4.	MR. AMIN MURUMU	aminmurumu@ymail.com

Students

Sno.	Name	Email	Grade/Class
1.	RIJUL. K. JOHN	rijuljerry14@gmail.com	8
2.	TEJESH G.	tejesh14@gmail.com	8
3.	RAHUL KRISHNAN		8
4.	AUSTIN FRANCIS	austinalmedia49@gmail.com	8
5.	PREETHAMJEET S.P	saradparasad007@gmail.com	8
6.	SERENE JACOB	jacobserene@gmail.com	8
7.	LAKSHIMI	lakshimik327@gmail.com	8

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

How many classrooms does your school have?

37

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)
3-A	528.00	336.00	63.64

4-A	528.00	336.00	63.64
5-B	528.00	336.00	63.64
6-B	528.00	336.00	63.64
7-C	528.00	336.00	63.64
4-D	528.00	336.00	63.64
9-B	528.00	336.00	63.64
10-C	528.00	336.00	63.64
3-C	528.00	336.00	63.64
7-B	528.00	336.00	63.64
TOTAL	5,280.00	3,360.00	

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?

School-owned vehicles

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	21	2	0	2	25
No. of vehicles more than five years old	14	0	0	0	14
Air conditioned	0	1	0	0	1
No. of vehicles with PUC done	0	0	0	0	0
Parking area (m2)	17424	0	0	0	17424

Supporting Documents

- 1. IMG_20161027_162458.jpg
- 2. IMG_20161027_162534.jpg
- 3. IMG_20161027_162622.jpg
- 4. IMG_20161027_162733.jpg

5. IMG_20161027_162835.jpg

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	4500	0	0	0	0	0
Car	300	0	0	0	0	0
Van	0	0	0	0	0	0
Other vehicles	0	60	0	0	0	0
SUB-TOTAL	4800	60	0	0	0	0

Supporting Documents

- 1. bill-4.jpg
- 2. bill -3.jpg
- 3. school bus-1.JPG
- 4. school bus 2.JPG
- 5. bill -3.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	970	47	0	1017
Public Bus	41	0	5	46
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	33	0	0	33
Taxi four-wheeler	89	0	0	89
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	0	13	13

Personal two-wheeler	0	13	0	13
Bicycle	49	0	5	54
On foot	53	0	20	73
Others (non-motorised)	0	6	16	22
SUB-TOTAL	1235	66	59	1360

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



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



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	REV. BRO. JENNY KURIAKOSE	kjennymrio@yahoo.co.in
2.	GNANASEKAR Y	apggnanasekar@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR. KARUPPASAMY A	karuppasamya@gmail.com
2.	MR. AMIN MURUMU	aminmurumu@ymail.com
3.	MRS. BINI P KURIAKOSE	biniraj16@gmail.com
4.	MR.SAGAYAM	
5.	MR. RAJKUMAR V	vraj270386@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	RJUL.K.JOHN		8
2.	TEJESH.G		8
3.	RAHUL KRISHNAN		8
4.	AUSTIN FRANCIS		8
5.	PREETHAMJEET S.P		8
6.	SERENE JACOB		8
7.	LAKSHMI.K		8

Task 2: How much energy does your school consume?



Does your school have access to an electricity bill?

Yes

Supporting Documents

- 1. eb bill-1.jpg
- 2. eb bill -2.jpg

- 3. eb bill-3.jpg
- 4. eb bill -4.jpg
- 5. eb bill-5.jpg

Does your school have its own vehicles?

Yes

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)	3308	11908.80	0
Electricity from generator (diesel) (litres)	100	4560.00	0
Petrol (litres)	60	2802.00	0
Diesel (litres)	4500	205200.00	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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	7968.00	224470.80	

Supporting Documents

- 1. bill -1.jpg
- 2. bill -2.jpg

- 3. bill -3.jpg
- 4. bill-4.jpg
- 5. bill-5.jpg

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	1	2.69	0
Refrigerator	-0	0	0
Microwave	-0	0	0
Tube Lights	17	30	0
CFL Bulbs	66	27	0
LED Lights	-0	0	0
Fans	76	100	0

Supporting Documents

1. electronic appliances.jpg

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

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

7

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.	REV. BRO. JENNY KURIAKOSE	kjennymrio@yahoo.co.in
2.	GNANASEKAR Y	apggnanasekar@gmail.com

Administrative staff

Sno.	Name	Email
1.	MRS. RAJI.P	
2.	MR. AMIN MURUMU	aminmurumu@ymail.com
3.	MRS. MANJULA	
4.	MRS. RAJAMMA	

Students

Sno.	Name	Email	Grade/Class
1.	RIJUL.K.JHON		8
2.	TEJESH G		8
3.	RAHUL KRISHNAN		8
4.	AUSTIN FRANCIS		8
5.	PREETHAMJEET S.P		8
6.	SERENE JACOB		8
7.	LAKSHMI		8

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

2 Does your school serve midday meals?

No

2(a) Do students bring their own lunch from home?

Yes

1. Lunch.jpg

How many students out of total student population bring home-made lunch?

1235.00

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

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
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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

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

No

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

No

Supporting Documents

1. food-lunch.jpg



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	REV. BRO. JENNY KURIAKOSE	kjennymario@yahoo.co.in
2.	GNANASEKAR Y	apggnanasekar@gmail.com

Administrative staff

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2.	MRS.BEENA	beenaarobby@gmail.com
3.	MRS. RAJI .P	
4.	MR. AMALA DASS	
5.	MR. AMIN MURUMU	aminmurumu@ymail.com

Students

Sno.	Name	Email	Grade/Class
1.	LAKSHMI		8
2.	RIJUL.K.JHON		8
3.	PREETHAMJEET S.P		8
4.	SERENE JACOB		8
5.	AUSTIN FRANCIS		8

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

Complete the table:

	Your school's area
Site area in square meter (m2)	768,000
Ground coverage area	224,000
Green landscaped area on-ground	128,000
Surface parking area	17,424

Play area that is paved/ concrete on ground	871
Play area that has grass on ground	4,356
Service Area on ground	16,232
Roof and terrace area	48,237
Green cover on exposed roof & terrace	48,237
Total built up/constructed area	48,239
Total no. of floors	5
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	306	31	337
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. green cover-1.JPG
- 2. building plan.JPG
- 3. School Building.jpg
- 4. Land.jpg
- 5. green- manure.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	REV. BRO. JENNY KURIAKOSE	kjennymrio@yahoo.co.in
2.	GNANASEKAR Y	apggnanasekar@gmail.com

Administrative staff

Sno.	Name	Email
1.	MRS. RAJI P	
2.	MR. AMIN MURUMU	aminmurumu@ymail.com
3.	MRS. BINI P KURIAKOSE	biniraj16@gmail.com
4.	MR.AMALADASS	
5.	MRS.LEELA	

Students

Sno.	Name	Email	Grade/Class
1.	RIJUL.K.JOHN		8
2.	LAKSHMI.K		8
3.	TEJESH.G		8
4.	SERENE JACOB		8
5.	PREETHAMJEET S.P		8
6.	RAHUL KRISHNAN	`	8
7.	AUSTIN FRANCIS		8
8.	MARIA RITHIK J		10

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	2523
Toilet flushing	1535

Personal cleaning	547
Washing clothes	0
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	254
Gardening	2345
Total	7204

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

Who supplies the water in your school?

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

7-12 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?	Yes

Are dual flush systems installed in the toilets?	Yes
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

- 1. water drinking.jpg
- 2. water tabs in toilet.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 + Paved + Unpaved

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

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

No

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

31 to 40 per cent

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

school

Collection sump

6(e)

Rate your catchment on cleanliness:

Average

Supporting Documents

- 1. Water Resources.jpg
- 2. WATER.jpg
- 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

Does your school monitor the rainwater harvesting structure for its efficiency?

Yes

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

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?

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

How many drinking water taps do you have?

30

How many hand pumps do you have?

0

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

50

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

	Girls	Boys	Common	Total
Number of toilets	35	52	5	92

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

82

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

30

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

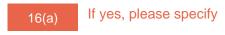
Yes

ls the water supply sufficient?

Yes

Are the toilets cleaned?

Yes



More than twice a day

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

Does your school treat wastewater?

No

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. Rain Harvesting Catchment .JPG



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	REV. BRO. JENNY KURIAKOSE	kjennymrio@yahoo.co.in
2.	GNANASEKAR Y	apggnanasekar@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR. AMIN MURUMU	aminmurumu@ymail.com
2.	MRS. ANANDA JYOTHI	
3.	MRS. LEELA	
4.	MRS. MANJULA	
5.	MRS. RAJAMMA	

Students

Sno.	Name	Email	Grade/Class
1.	RIJUL.K.JHON		8
2.	TEJESH.G		8
3.	RAHUL KRISHNAN		8
4.	AUSTIN FRANCIS		8
5.	PREETHAMJEET S.P		8
6.	SERENE JACOB		8
7.	LAKSHMI		8

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. 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	37	0	37	0	0
Playgrounds	3	0	3	0	0
Common area (e.g. reception, corridors)	3	0	3	0	0
Staffroom	6	0	6	0	0
Laboratory	6	0	6	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	2	0	1	1	0
Library	1	0	1	0	0
Toilets	6	0	6	0	0
Others	0	0	0	0	0
Total	64	0	63	1	0

Supporting Documents

- 1. DSC00014.JPG
- 2. IMG_20161108_064113.jpg
- 3. play ground with two dustbin.jpg
- 4. IMG_20161104_123958.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	20
Kitchen waste	0
Paper	5

Plastic	3
Wood, glass, metal, classroom furniture	1
E-waste	1
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	30

- 1. waste.jpg
- 2. waste selling.JPG

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

1. waste %282%29.JPG

Task 5: How does your school dispose waste?

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

Open dumping

Supporting Documents

- 1. IMG_20161104_124109.jpg
- 2. IMG_20161104_123958.jpg
- 3. main-waste collection.JPG

Does your school burn waste?

No

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	2	2	0
Refrigerators and freezers	0	0	0

Washing machines	0	0	0
Air conditioners	1	1	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)	92	92	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	6	6	0
Copying equipment (Photocopiers)	0	0	0
Projectors	37	37	0
Whiteboards	37	37	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	0	0	
Telex	0	0	0
Telephones	0	0	0
Pay telephones	0	0	0
Mobiles	1	1	0
Answering systems	0	0	0

- 1. computers.JPG
- 2. computers in schools.jpg

Task 6: School's initiatives

Does the school have a policy on waste?

No

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

No

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. DSCN1977.JPG



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?

our school has all the requirement to be a green school

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?

Nο

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?

More than twice

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

5.00

Checklist of uploaded documents

- 1. PUC certificates of not more than five buses
- 2. Fuel Bills

13(a)

- 3. Picture of School owned vehicles
- 4. Electricity Bill
- 5. Photographs of lunch boxes
- 6. Pictures of Green Cover
- 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. 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 Electronic items used by school and storage of non-working electronic items
- 16. Pictures of respective audit teams doing survey