

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDLAYALA KOLIWADA

Address: SECTOR 1 C.G.S COLONY ANTOPHILL

, KANENAGAR MUMBAI-400037,

MUMBAI, MUMBAI, Maharashtra, India

Coordinator Name: MANJU PATHAK



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

KENDRIYA VIDLAYALA KOLIWADA

2 Address

SECTOR 1 C.G.S COLONY ANTOPHILL , KANENAGAR MUMBAI-400037, MUMBAI , MUMBAI, Maharashtra, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 22 (NUMBER) 24015949

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8989792311

5 Principal Name

S.S DAKUA

GSP Coordinator Name

MANJU PATHAK

GSP Coordinator Email

manjupathak18@gmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 9322987004

Category Of The School

Day Scholar

School Shifts

Morning

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	952	870	1822
Teachers	12	45	57
Non-Teaching Staff	9	7	16
TOTAL	973	922	1895

4(b) How many visitors visit your school

500

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?

Sep

Where is the school located?

Urban Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	manju pathak	manju pathak
2.	anubha singh	anubha_singh23@rediffmail.com
3.	megha solanki	mgh.solanki@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr. S S Dakua	koliwadakv@gmail.com
2.	Archana Shrivastav	koliwadakv@gmail.com
3.	Alka Chand	alkakv123@gmail.com
4.	M.P Gupta	mpg406@gmail.com
5.	Rajni Bansal	rajnibansal123@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	PRANEET POTWAR	praneetpotwar19999@gmail.com	12
2.	PRASHANT KUMAR	prashantkv73@gmail.com	12
3.	RAJPAL	rajpal.123.rajpal@gmail.com	11
4.	ANKUSH KUMAR BAR	ankushbar02@gmail.com	10
5.	AYUSH KUMAR BAR	ayushrock1200@gmail.com	10
6.	ANSITA BEHERA	ansitab@rediffmail.com	10
7.	DARSHTI SHUKLA	darshitashukla5@gmail.com	10
8.	SHIVAM SINGH	issac2701@gmail.com	11
9.	ARYAMOL	koliwadakv@gmail.com	12
10.	MANSI	koliwadakv@gmaill.com	12

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

1

How many classrooms does your school have?

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)
IX C 9C	42.16	10.02	23.77
V C	51.12	10.02	19.60
XII C	51.12	10.02	19.60
II C	42.34	10.96	25.89
I A	42.34	8.48	20.03
XII A	50.37	10.02	19.89
IV A	59.13	10.02	16.95
VII D	50.40	10.02	19.88
ХС	49.71	10.02	20.16
III C	42.34	8.48	20.03
TOTAL	481.03	98.06	

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 does not use or own vehicles

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	0	0	0	0
Public Bus	182	05	08	195
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	78	15	03	96
Taxi four-wheeler	10	06	0	16

Taxi three-wheeler	0	0	0	0
Personal four-wheeler	25	12	01	38
Personal two-wheeler	120	05	01	126
Bicycle	25	0	0	25
On foot	1389	10	0	1399
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1829	53	13	1895

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



10

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.	manjupathak	manjupathak18@gmail.com	
2.	anubhasingh	anubha_singh23@rediffmail.com	
3.	meghasolanki	mgh.solanki@gmail.com	

Administrative staff

Sno.	Name	Email
1.	DR.S.S DAKUA	koliwadakv@gmail.com
2.	Archana Shrivastav	koliwadakv@gmail.com
3.	M.P Gupta	mpg406@gmail.com
4.	Alka Chand	alkakv123@gmail.com
5.	Rajni Bansal	rajnibansal123@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	ankushkumar bar	ankushbar02@gmail.com	10
2.	AYUSH KUMAR	ayushrock1200@gmail.com	10
3.	DARSHITA SHUKLA	darshitashukla5@gmail.com	9
4.	RAJPAL SHARMA	rajpal.123.rajpal@gmail.com	11
5.	SHIVAM SINGH	issac2701@gmail.com	11
6.	ANSITA BEHERA	ansitab@rediffmail.com	9
7.	Praneet potwar	praneetpotwar1999@gmail.com	12
8.	Prashant Kumar	prashantkv73@gmail.com	12
9.	Mansi	koliwadakv@gmail.com	12
10.	Arya mol	koliwadakv@gmail.com	12

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.

Does your school have its own vehicles?

No

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)	4842	17431.20	2
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	0	0.00	0
Diesel (litres)	0	0.00	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	4842.00	17431.20	

No documents uploaded by the school.

What appliances does your school have?

	Number	Size	BEE Star Rating
--	--------	------	-----------------

Air Conditioners	8	1.5	3*
Refrigerator	1	180	3*
Microwave	1	20	3*
Tube Lights	300	20	3*
CFL Bulbs	10	15	3*
LED Lights	0	0	3*
Fans	280	240	2*

Supporting Documents

1. IMG_1122.JPG

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

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

220

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.	manju pathak	manjupathak18@gmail.com
2.	anubha singh	anubha_singh23@rediffmail.com
3.	MEGHA SOLANKI	mgh.solanki@gmail.com

Administrative staff

Sno.	Name	Email
1.	DR.S.S Dakua	koliwadakv@gmail.com
2.	Archana shrivastav	koliwadakv@gmail.com
3.	Alka chand	alkakv123@gmail.com
4.	M.P gupta	mpg406@gmail.com
5.	Rajni bansal	rajnibansal@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	ankush kumar bar	ankushbar02@gmail.com	10
2.	ayush kumar bar	ayushrock1200@gmail.com	10
3.	ansita bahera	ansitab@rediffmail.com	10
4.	darshita shukla	darshitashukla5@gmail.com	10
5.	sneha mohan	koliwadakv@gmail.com	11
6.	rajpal sharma	rajpal.123.rajpal@gamil.com	11
7.	shivam singh	issac2701@gmail.com	11
8.	akshay kumar	akthakur091@gmail.com	11
9.	aren satpathy	aren.saty@gmail.com	11
10.	aman wankhade	amaanw55@gmail.com	11

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

Does your school serve midday meals?

No

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

Yes

Supporting Documents

- 1. IMG_1052.jpg
- 2. IMG_1054.jpg
- 3. IMG_1056.jpg
- 4. IMG_1058.jpg

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

1900.00

Of the students who bring lunch from home, how many bring packaged food?

25.00

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

No documents uploaded by the school.

Does your school serve traditional Indian snacks?

Yes

Please provide the details:

	Number of plates sold when on the menu
Samosas	1
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	1

4(b) Give descriptions for rare local snacks served in your school:?

chocolates and biscuits

Does your school serve traditional Indian beverages?

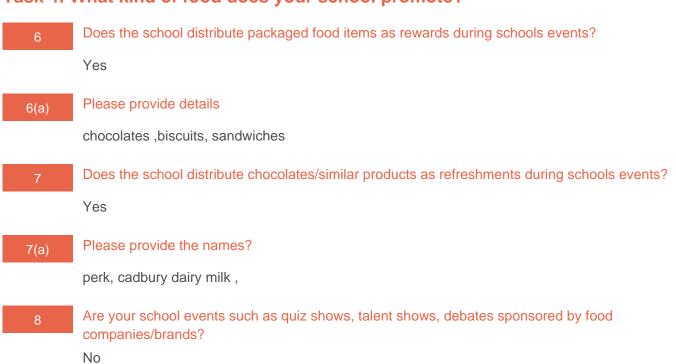
Yes

5(a) Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	1
Sweet lassi	0

Salted butter milk	0
Aam Panna	0
Others	1

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



No documents uploaded by the school.



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	manju pathak	manjupathak18@gmail.com
2.	anubha singh	anubha_singh23@rediff mail.com
3.	megha solanki	mgh.solanki@gmail.com

Administrative staff

Sno.	Name	Email
1.	DR.S.S.Dakua	koliwadakv@gmail.com
2.	archana srivastav	kolivadakv@gmail.com
3.	MP GUPTA	mpg406@gmail.com
4.	alka chand	alkakv123@gmail.com
5.	megha Solanki	mgh.solanki@gma

Students

Sno.	Name	Email	Grade/Class
1.	ankush kumar bar	ankushbar02@gmail.com	10
2.	ayush kumar bar	ayushrock1200@gmail.com	10
3.	ansita behera	ansitab@rediff mai.com	10
4.	darshita shukla	darshitashukla5@gmail.com	10
5.	sneha mohan	koliwadakv@gmail.com	11
6.	rajpal sharma	rajpal.123.rajpal@gmail.com	11
7.	shivam singh	issac2701@gmail.com	11
8.	akshay kuamr	akthakur091@gmail.com	11
9.	aren satpathy	aren.saty@gmail.com	11
10.	aman wankhade	amaanw55@gmail.com	11

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

Complete the table:

1

Site area in square meter (m2)	2
Ground coverage area	950
Green landscaped area on-ground	200
Surface parking area	0
Play area that is paved/ concrete on ground	666
Play area that has grass on ground	80
Service Area on ground	192
Roof and terrace area	950
Green cover on exposed roof & terrace	10
Total built up/constructed area	950
Total no. of floors	4
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	80	291	371
Animals	10	0	10

Task 4: Find out if your school uses pesticides

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

No

Supporting Documents

1. IMG_1119.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	manjupathak	manjupathak18@gmail.com
2.	anubha singh	anubha_singh23@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	DR.S.S DAKUA	koliwadakv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	praneet potwar	praneetptwar1999@gmail.com	12
2.	prashant	prashantkv73@gmail.com	12
3.	aishwarya	aishwaryadegade59@gmail.com	12
4.	ankush bar	ankushbar02@gmail.com	10
5.	ayush bar	ayushrock1200@gmail.com	10
6.	darshita shukla	darshitashukla5@gmail.com	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	1700
Toilet flushing	500
Personal cleaning	800
Washing clothes	0
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0

Mopping floors	0
Gardening	200
Total	3200

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

Where does the water your school uses, come from?

Rain water

Who supplies the water in your school?

Municipality

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?	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

Supporting Documents

1. IMG_1051.jpg

Task 5: Does your school harvest rainwater?

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

No

6(a) Calculate your school's rainwater harvesting potential (in litres).

0

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

8 How many drinking water taps do you have?

28

How many hand pumps do you have?

0

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

16

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

	Girls	Boys	Common	Total
Number of toilets	26	24	04	54

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

36

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

5

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

16(a) If yes, please specify

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

No documents uploaded by the school.



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	manjupathak	manjupathak18@gmail.com
2.	anubhasingh	anubha_singh23@gmail.com

Administrative staff

Sno.	Name	Email
1.	DR.S.S DAKUA	koliwadakv@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	praneet potwar	praneetptwar1999@gmail.com	12
2.	prashant	prashantkv73@gmail.com	12
3.	jyoti .m	maheriyajyoti@gmail.com	12
4.	aishwarya	aishwaryadeogade59@gmail.com	12

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)
- 2. Gardener
- 3. Other: ngo agency

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
--	--------------------------------	--------	---------	-------------------------	--------------------

Classrooms	46	0	46	0	0
Playgrounds	4	0	02	0	02
Common area (e.g. reception, corridors)	6	0	6	0	0
Staffroom	3	0	3	0	0
Laboratory	6	0	6	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	10	0	10	0	0
Others	6	0	06	0	0
Total	83	0	81	0	2

Supporting Documents

- 1. IMG-20160826-WA0013.jpg
- 2. IMG-20160826-WA0014.jpg
- 3. IMG-20160826-WA0012.jpg
- 4. IMG-20160826-WA0017.jpg
- 5. IMG-20160826-WA0060.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	0
Paper	2
Plastic	5
Wood, glass, metal, classroom furniture	10

E-waste	100
Biomedical waste	0
Sanitary waste	2
Construction and Demolition (C & D) waste	500
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	644

Supporting Documents

1. BIN.jpg

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

Does your school recycle any generated waste?

Yes

Please provide quantity of which is applicable. (in kilogram)

	Quantity
Garden/ horticulture waste	25
Kitchen waste	0
Paper	2
Plastic	5
Wood, glass, metal, classroom furniture	10
E-waste	100
Biomedical waste	0
Sanitary waste	2
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	144

Yes

Supporting Documents

- 1. IMG-20160826-WA0014.jpg
- 2. IMG-20160826-WA0062.jpg
- 3. IMG-20160826-WA0018.jpg
 - What is the methodology used?

Natural composting without added microbesOther: adding earthworms

What is the quantity of compost that is generated per month(in kilogram)?

25.00

What is the purpose of the compost that is generated per month?

For school garden

Does your school encourage students & teachers to reuse textbooks?

Yes

Table to understand whether internal or external waste recycling procedures are applied to

	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)	×	×	~	×

No documents uploaded by the school.

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. download.jpg
- 2. IMG-20160826-WA0012.jpg
- 3. IMG-20160826-WA0013.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	
VCR or DVD players	0	0	
Refrigerators and freezers	1	1	
Washing machines	0	0	
Air conditioners	6	6	

Heaters	0	0	
Microwaves	1	1	
Ovens	0	0	
Toasters	0	0	
Electric Kettles	1	1	
Personal computers (CPU, mouse, screen and keyboard included)	98	98	
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	
Notebook computers	0	0	
Notepad computers	0	0	
Printers	6	6	
Copying equipment (Photocopiers)	1	1	
Projectors	14	14	
Whiteboards	14	14	
Electrical & electronic typewriters	0	0	
Pocket & desk calculators	2	2	
Fax machines	1	1	
Telex	0	0	
Telephones	2	2	
Pay telephones	0	0	
Mobiles	1	1	
Answering systems	0	0	

Supporting Documents

1. IMG_1123.JPG

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

No documents uploaded by the school.

11a

Who collects your e-waste, when not in working condition?

Kabadiwalla/ Scrapdealer

Task 6: School's initiatives

12

Does the school have a policy on waste?

Yes

Policy document

WASTE POLICY OF KV KOLIWADA.pdf

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?

As part of the curriculum , As part of extracurricular activities such as guest lectures , By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

- 1. IMG-20160826-WA0003.jpg
- 2. IMG_1116.JPG
- 3. IMG_1114.JPG
- 4. IMG_1119.JPG
- 5. IMG_1115.JPG



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

Yes

1(a) If yes, then in which year did your school first participate in the GSP Audit?

2015

1(b) If yes, how many times have you done the audit?

1

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? solar panels for electricity, recycling units, paper shredders,

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 Would your school like to recommend any topic/s that deleted in the audit? No		on for conducting tasks	Good	
		deleted in the audit?	you strongly feel should be added or	

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?

Once

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

How many students were involved in the activities?

15.00

Checklist of uploaded documents

- 1. Electricity Bill
- 2. Picture of 5 star appliances used by school
- 3. Photographs of lunch boxes
- 4. Pictures of Green Cover
- 5. Pictures of landscaped area
- 6. Building construction plan
- 7. Pictures of dustbins in classroom showing segregation at source
- 8. Pictures of playground with more than two dustbins
- 9. Picture of audit team weighing solid waste
- 10. Picture of types of solid waste generated
- 11. Pictures of recycling units composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
- 12. Pictures of housekeeping staff disposing different types of solid waste
- 13. Pictures of Electronic items used by school and storage of non-working electronic items
- 14. Waste Policy
- 15. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
- 16. Pictures of respective audit teams doing survey