

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA NEHU

Address: NEHU PERMANENT CAMPUS, MAWLAI

MAWKYNROH UMSHING, SHILLONG,

East Khasi Hills, Meghalaya, India

Coordinator Name: VINAY KUMAR



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

KENDRIYA VIDYALAYA NEHU

2 Address

NEHU PERMANENT CAMPUS, MAWLAI MAWKYNROH UMSHING , SHILLONG, East Khasi Hills, Meghalaya, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0364 (NUMBER) 2550004

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9411524477

5 Principal Name

LALIT PRASAD SAH

6 GSP Coordinator Name

VINAY KUMAR

GSP Coordinator Email

teotiavinay5@gmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 9990112126

Category Of The School

Day Scholar

10 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	265	203	468
Teachers	6	9	15
Non-Teaching Staff	5	1	6
TOTAL	276	213	489

4(b) How many visitors visit your school

10

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

221

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

July, Aug, Sep, Oct

Where is the school located?

Urban Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Vinay Kumar	Vinay Kumar
2.	Sanchita Roy Sengupta	s4sanchitasengupta@gmail.com
3.	CHV Murali Krishna	muralikrishna.chebrolu@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ramanuj Biswas	ramanuj1962@gmail.com
2.	Raplang Lyngdoh	lyngdoh1973@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Saurabh	saurabh23092015@gmail.com	11
2.	Satwik	satwikpandey@live.com	11
3.	Aditi	aditi.kvnehu@gmail.com	11
4.	Henisha	kharhumahenisha@gmail.com	11
5.	Sudipta	dipak_mani@hotmail.com	11
6.	Fanysa	deffany94.kmah@gmail.com	11
7.	Anushka	anushkamathur2001@gmail.com	10
8.	Ruth	kuki@hpcl.in	10
9.	Ananta	tnshillong@gmail.com	9
10.	Tusar	tusharpaul0851@gmail.com	9

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

How many classrooms does your school have?

12

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 III	47.05	9.80	20.83
Class IV	47.05	9.80	20.83
Class V	47.05	9.80	20.83
Class VI	47.05	9.80	20.83
Class VII	47.05	9.80	20.83
Class VIII	47.05	9.80	20.83
Class IX	47.05	9.80	20.83
Class X	47.05	9.80	20.83
Class XI	47.05	9.80	20.83
Class XII	47.05	9.80	20.83
TOTAL	470.50	98.00	

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?

Operator-owned 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	350	4	0	354
Public Bus	0	0	0	0
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	35	0	2	37
Taxi three-wheeler	0	0	0	0

Personal four-wheeler	25	2	0	27
Personal two-wheeler	30	0	0	30
Bicycle	0	0	0	0
On foot	28	9	4	41
Others (non-motorised)	0	0	0	0
SUB-TOTAL	468	15	6	489

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

How many students suffer from respiratory ailments?

1

Does the school laboratory have air quality monitoring equipment?

Yes

Supporting Documents

1. Air Quality.docx



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	Vinay Kumar	teotiavinay5@gmail.com
2.	Sanchita Roy Sengupta	s4sanchitasengupta@gmail.com
3.	CHV Murali Krishna	muralikrishna.chebrolu@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ramanuj Biswas	ramanuj1962@gmail.com
2.	Raplang Lyngdoh	lyngdoh1973@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Nitish Kumar	nitishkr535@gmail.com	11
2.	Saarthak Gautam	sgsaarthak7@gmail.com	11
3.	Arundhati Singh	khooshi30@gmail.com	11
4.	Kabita Das	kibdd29@gmail.com	11
5.	Paionia	paionongsiej@gmail.com	11
6.	Amisha Sharma	amishasharma0346@gmail.com	10
7.	Gloudia	gloudiapyngrope@gmail.com	10
8.	Jibodeep Paul	teotiavinay5@gmail.com	10
9.	Joydeep	joydee2002@gmail.com	9
10.	Evangelyne	pyngrope.evan@gmail.com	10

Task 2: How much energy does your school consume?



Does your school have access to an electricity bill?

No

No documents uploaded by the school.

Does your school have its own vehicles?

No

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)	600	2160.00	5
Electricity from generator (diesel) (litres)	0	0.00	5
Petrol (litres)	0	0.00	5
Diesel (litres)	0	0.00	5
CNG (kilogrammes)	0	0.00	5
Kerosene (litres)	0	0.00	5
Coal (kilogrammes)	0	0.00	5
Wood (kilogrammes)	0	0.00	5
Animal waste (kilogrammes)	0	0.00	5
Solar (kwh)	0	0.00	5
Wind (kwh)	0	0.00	5
LPG (kilogrammes)	5	258.00	5
Piped Natural Gas (kilogrammes)	0	0.00	5
TOTAL	605.00	2418.00	

Supporting Documents

1. Electricity Bill.docx

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	3

Refrigerator	0	0	3
Microwave	0	0	3
Tube Lights	120	4800	3
CFL Bulbs	0	0	3
LED Lights	1	14	3
Fans	4	40	3

1. Five Star.docx

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

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

180

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.	Vinay Kumar	teotiavinay5@gmail.com
2.	Sanchita Roy Sengupta	s4sanchitasengupta@gmail.com
3.	CHV Murali Krishna	muralikrishna.chebrolu@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ramanuj Biswas	ramanuj1962@gmail.com
2.	Raplang Lyngdoh	lyngdoh1973@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sujit Jha	sujitjha000@gmail.com	11
2.	Arpana Thakur	arpanathakur02@gmail.com	11
3.	Donita Dey	principalkvnehu@gmail.com	11
4.	Salik Ahmed	salikahmed171@gmail.com	11
5.	Goldamer	principalkvnehu@gmail.com	11
6.	Aayush Aseem	principalkvnehu@gmail.com	10
7.	Muskan Yadav	principalkvnehu@gmail.com	10
8.	Indrani	principalkvnehu@gmail.com	9
9.	Siddhant	principalkvnehu@gmail.com	9
10.	Tridip	principalkvnehu@gmail.com	10

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?

No

Do students bring their own lunch from home?

Yes

Supporting Documents

- 1. DSC00571.jpg
- 2. DSC00572.jpg
- 3. DSC00573.jpg
- 4. DSC00574.jpg
- 5. DSC00575.jpg

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

460.00

2(a)(2) Of the students who bring lunch from home, how many bring packaged food?

8.00

2(a)(3) Do teachers have the responsibility to ensure that students are carrying lunch from home?

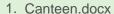
Yes

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

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. DSC00845.JPG



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Vinay Kumar	teotiavinay5@gmail.com
2.	Sanchita Roy Sengupta	s4sanchitasengupta@gmail.com
3.	C.H.V. Muralikrishna	muralikrishna.chebrolu@gmail.com

Administrative staff

Sno.	Name	Email
1.	Raplang Lyngdoh	lyngdoh1973@gmail.com
2.	Ramanuj Biswas	ramanuj1962@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Vishal Mondal	mondalvishal62@gmail.com	11
2.	Wandy Wexon	teotiavinay5@gmail.com	11
3.	Sudakshya S Lenka	twinklelenka1999@gmail.com	11
4.	Sonali Dey	teotiavinay5@gmail.com	11
5.	Ladeiti	khonglouhphanglaedeiti@gmail.com	11
6.	Megna	teotiavinay5@gmail.com	10
7.	Manoshi	teotiavinay5@gmail.com	10
8.	Anshika	teotiavinay5@gmail.com	9
9.	Kaushik	teotiavinay5@gmail.com	9
10.	Supriya	teotiavinay5@gmail.com	9

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

Comple

Complete the table:

	Your school's area
Site area in square meter (m2)	20,000
Ground coverage area	11,000

Green landscaped area on-ground	6,000
Surface parking area	2,000
Play area that is paved/ concrete on ground	1,000
Play area that has grass on ground	1,000
Service Area on ground	2,000
Roof and terrace area	500
Green cover on exposed roof & terrace	300
Total built up/constructed area	2,520
Total no. of floors	2
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	137	12	149
Animals	10	0	10

Task 4: Find out if your school uses pesticides

4

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

No

Supporting Documents

- 1. DSC00836.JPG
- 2. DSC00822.JPG
- 3. DSC00831.JPG
- 4. DSC00834.JPG
- 5. DSC00838.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Viany Kumar	teotiavinay5@gmail.com
2.	Sanchita Roy Sengupta	s4sanchitasengupta@gmail.com
3.	C.H.V Muralikrishna	muralikrishna.chebrolu@gmail.com

Administrative staff

Sno.	Name	Email
1.	Raplang Lyngdoh	lyngdoh1973@gmail.com
2.	Ramanuj Biswas	ramanuj1962@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Rohit kumar Ram	rohit19kumar2000@gmail.com	11
2.	Wallam	wallamkdewsaw70@gmail.com	11
3.	Maitreyi	1999maitreyi@gmail.com	11
4.	Rajni Singh	bipti349@gmail.com	11
5.	Lapynhun	lapyhunshishakhongwira@gmail.com	11
6.	Priyanka Das	priya.das1965@gmail.com 11	
7.	Debayan	teotiavinay5@gmail.com 10	
8.	Vaibhav	singhvaibhav844@gmail.com	10
9.	Parthib	teotiavinay5@gmail.com 9	
10.	Sanjana	teotiavinay5@gmail.com	9

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	150
Toilet flushing	50

Personal cleaning	0
Washing clothes	0
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	100
Gardening	100
Total	400

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, Rain water





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?

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?	No
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

- 1. DSC00837.JPG
- 2. DSC00832.JPG
- 3. DSC00824.JPG

Task 5: Does your school harvest rainwater?

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

Does your school harvest different catchments?.

Yes

Yes

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

Rooftop + Unpaved

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?

81 to 90 per cent

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

Conduits, Gutters, First flush, Storage tank, Collection sump, Recharge structure

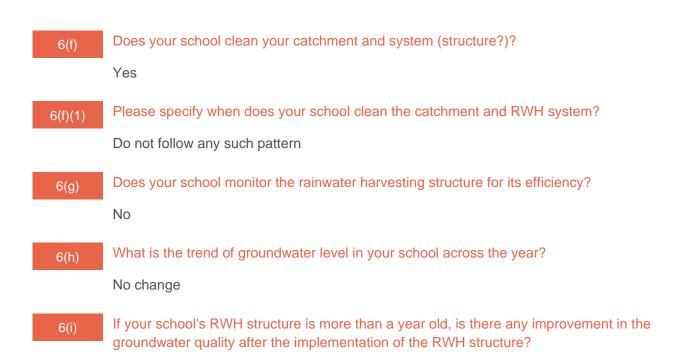
Rate your catchment on cleanliness:

Good

Supporting Documents

- 1. DSC00828.JPG
- 2. DSC00824.JPG
- 3. DSC00832.JPG
- 4. DSC00837.JPG

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?	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?

7

How many hand pumps do you have?

0

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

26

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

	Girls	Boys	Common	Total
Number of toilets	48	40	0	88

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

50

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

ls the water supply sufficient?

Yes

Are the toilets cleaned?

Yes

16(a) If yes, please specify

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

Used for groundwater recharge

Supporting Documents

1. Waste Water.docx



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Vinay Kumar	teotiavinay5@gmail.com
2.	Sanchita Roy Sengupta	s4sanchitasengupta@gmail.com
3.	C.H.V Muralikrishna	muralikrishna.chebrolu@gmail.com

Administrative staff

Sno.	Name	Email
1.	Raplang Lyngdoh	lyngdoh1973@gmail.com
2.	Ramanuj Biswas	ramanuj1960@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Rohit kumar Thakur	rk29733@gmail.com	11
2.	Archana Thakur	archana.nov20@gmail.com	11
3.	Tara Devi	meismam.nira44@gmail.com	11
4.	Loreen	loreenkhongwir@gmail.com	11
5.	Alok Punj Sharma	alokpunj88@gmail.com	10
6.	Lawanri	lawanridiamai10@gmail.com	10
7.	Debanjali	sharmadebanjali@gmail.com	10
8.	Ruchik	teotiavinay5@gmail.com	9
9.	Harrison	teotiavinay5@gmail.com	10
10.	Kaushal	teotiavinay5@gmail.com	7

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

Does your school segregate solid waste?

No

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	12	0	12	0	0
Playgrounds	1	0	0	0	1
Common area (e.g. reception, corridors)	2	0	0	0	2
Staffroom	2	0	2	0	0
Laboratory	10	0	10	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	1	0	1	0	0
Others	0	0	0	0	0
Total	30	0	27	0	3

- 1. DSC00839.JPG
- 2. DSC00840.JPG
- 3. DSC00841.JPG
- 4. DSC00849.JPG
- 5. DSC00842.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	5
Kitchen waste	0
Paper	16
Plastic	3

Wood, glass, metal, classroom furniture	3
E-waste	0
Biomedical waste	0
Sanitary waste	1
Construction and Demolition (C & D) waste	1
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	29

- 1. DSC00839.JPG
- 2. DSC00847.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. DSC00850.JPG

Task 5: How does your school dispose waste?

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

Landfill Site

Supporting Documents

1. DSC00850.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	2	2	0
VCR or DVD players	0	0	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	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	5	5	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	5	5	0
Copying equipment (Photocopiers)	2	2	0
Projectors	3	2	1
Whiteboards	5	5	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	25	25	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	2	2	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

- 1. DSC06389.JPG
- 2. DSC08283.JPG

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

No documents uploaded by the school.

What form do these awareness drives take?

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

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

- 1. DSC00841.JPG
- 2. DSC00850.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?

Development of waste recycling system. Plantation of more variety of plants. Water recycling plant Use of Solar panels.

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

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?

60.00

Checklist of uploaded documents

- 1. Fuel Bills
- 2. Electricity Bill
- 3. Picture of 5 star appliances used by school
- 4. Photographs of lunch boxes
- 5. Picture of Canteen selling UPPF
- 6. Pictures of Green Cover
- 7. Pictures of landscaped area
- 8. Building construction plan
- 9. Pictures of dustbins in classroom showing segregation at source
- 10. Pictures of playground with more than two dustbins
- 11. Picture of audit team weighing solid waste
- 12. Picture of types of solid waste generated
- 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 burning waste
- 16. Pictures of Electronic items used by school and storage of non-working electronic items
- 17. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
- 18. Pictures of respective audit teams doing survey