

Responses for Green Schools Programme Audit 2016

School Name: SMT. BRAHMA DEVI SARASWATI

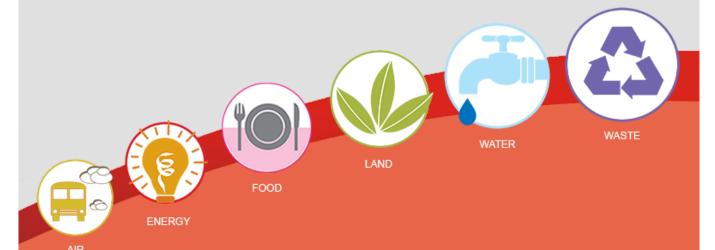
BALIKA VIDYA MANDIR SENIOR

SECONDARY SCHOOL

Address: KESHAV NAGAR, MODINAGAR ROAD,

HAPUR, Hapur, Uttar Pradesh, India

Coordinator Name: ROOMA TYAGI



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

SMT. BRAHMA DEVI SARASWATI BALIKA VIDYA MANDIR SENIOR SECONDARY SCHOOL

2 Address

KESHAV NAGAR, MODINAGAR ROAD, HAPUR, Hapur, Uttar Pradesh, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0122 (NUMBER) 2317323

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8171302236

5 Principal Name

ALKA GUPTA

6 GSP Coordinator Name

ROOMA TYAGI

GSP Coordinator Email

drroomatyagi1@gmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 9997141214

Category Of The School

Day Scholar

School Shifts

Morning

GENERAL QUESTIONS

How many levels does your school have?

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

ls your school single gender or mixed gender?

Only girls

Which board of education does the school follow?

Central Board of Secondary Education

Total permanent population of the school

	Male	Female	Total
Students	0	1806	1806
Teachers	8	51	59
Non-Teaching Staff	7	6	13
TOTAL	15	1863	1878

4(b) How many visitors visit your school

50

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

223

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

Oct, Nov

Where is the school located?

Urban Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Ayesha	Ayesha
2.	Rooma Tyagi	drroomatyagi1@gmail.com

Administrative staff

Sno.	Name	Email
1.	Radheyshyam	radhey361982@gmail.com
2.	Tejveer singh	sbvmhapur@gmail.com
3.	Gauraw Garg	sbvmhapur@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Jhalak Gupta	sbvmhapur@gmail.com	11
2.	vaishali tyagi	sbvmhapur@gmail.com	11
3.	rashi chauhan	sbvmhapur@gmail.com	11
4.	ritika saini	sbvmhapur@gmail.com	11

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

How many classrooms does your school have?

44

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 SECTION A	49.50	8.40	16.97
CLASS IV SECTION A	49.50	8.40	16.97
CLASS VII SECTION A	55.40	12.80	23.10
CLASS VIII SECTION A	55.40	12.80	23.10

CLASS X SECTION A	55.40	12.80	23.10
CLASS IX SECTION A	55.40	12.80	23.10
CLASS IX SECTION C	55.40	12.80	23.10
CLASS XII SECTION A	55.40	12.80	23.10
CLASS XI SECTION B	55.40	12.80	23.10
CLASS XII SECTION B	55.40	12.80	23.10
TOTAL	542.20	119.20	

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

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	20	1	1	1	23
No. of vehicles more than five years old	2	0	0	0	2
Air conditioned	0	1	0	0	1
No. of vehicles with PUC done	20	1	1	1	23
Parking area (m2)	1800	344	0	0	2144

Supporting Documents

- 1. 1327 001.jpg
- 2. 1573 001.jpg
- 3. 1574 001.jpg

Specify the type of fuel used by your school vehicles:

Diesel	Petrol	LPG	CNG	Electric	Hybrid
--------	--------	-----	-----	----------	--------

Bus	20	0	0	0	0	0
Car	0	1	0	0	0	0
Van	1	0	0	0	0	0
Other vehicles	0	1	0	0	0	0
SUB-TOTAL	21	2	0	0	0	0

- 1. DSC03871.JPG
- 2. DSC03873.JPG
- 3. DSC03875.JPG
- 4. DSC03877.JPG
- 5. Diesel Bill August 2016 001.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	1300	33	0	1333
Public Bus	0	6	0	6
School Transport(Other than bus)	20	0	0	20
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	1	0	1
Personal two-wheeler	0	27	0	27
Bicycle	188	0	0	188
On foot	297	6	0	303
Others (non-motorised)	0	0	0	0

SUB-TOTAL 1805 73 0 1878

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?

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.	MS AYESHA	ayesha.royale@gmail.com
2.	MRS SANTOSH RANA	sbvmhapur@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR. RADHEYSHYAM	radhey82@yahoo.com
2.	MR. TEJVIR SINGH	sbvmhapur@gmail.com
3.	MR. GAURAW GARG	sbvmhapur@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	NUPUR TYAGI	sbvmhapur@gmail.com	12
2.	PRIYANKA KUMARI	sbvmhapur@gmail.com	12
3.	VAISHALI BHATI	sbvmhapur@gmail.com	12
4.	MANSI CHAUDHARY	sbvmhapur@gmail.com	12
5.	SWATI CHOUDHARY	sbvmhapur@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.

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)	8900	32040.00	1,2,5
Electricity from generator (diesel) (litres)	150	6840.00	1
Petrol (litres)	160	7472.00	4
Diesel (litres)	1430	65208.00	4
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)	250	4500.00	3
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	30	1548.00	3,5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	10920.00	117608.00	

- 1. Diesel Bill August 2016 001.jpg
- 2. Diesel Bill August 2016 001.jpg
- 3. ELECTRICITY AUG 2016 001.jpg

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	9	1	2,3,5
Refrigerator	2	190	2,5
Microwave	0	0	0

Tube Lights	56	40	0
CFL Bulbs	157	13	0
LED Lights	64	15	0
Fans	554	100	0

- 1. IMG_20161105_125309.jpg
- 2. IMG_20161105_125550.jpg
- 3. IMG_20161105_130328.jpg
- 4. IMG_20161105_132940.jpg

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

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

288

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.	MS. AYESHA	ayesha.royale@gmail.com
2.	MS. SWATI AGARWAL	sbvmhapur@gmail.com
3.	MS. RUBI RANI	sbvmhapur@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR. DHARAMVIR SINGH	sbvmhapur@gmail.com
2.	MR. TEJVIR SINGH	sbvmhapur@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	VIDHI	sbvmhapur@gmail.com	10
2.	VANSHIKA	sbvmhapur@gmail.com	10
3.	PINKI	sbvmhapur@gmail.com	10
4.	SHATAKSHI	sbvmhapur@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

2 Does your school serve midday meals?

No

Do students bring their own lunch from home?

Yes

Supporting Documents

- 1. IMG_20161111_093514.jpg
- 2. DSC04048.JPG

- 3. IMG_20161111_093514.jpg
- 4. IMG_20161111_093630.jpg

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

1807.00

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

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

No documents uploaded by the school.



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	MS. AYESHA	ayesha.royale@gmail.com
2.	MS. RUBI RANI	sbvmhapur@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR. KULDEEP KASANA	shikshabharti1947@gmail.com
2.	MR. RAJBIR SINGH	sbvmhapur@gmail.com
3.	MR. RADHEYSHYAM	radhey361982@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	GAURI GUPTA	sbvmhapur@gmail.com	10
2.	MAHIMA TOMAR	sbvmhapur@gmail.com	10
3.	KOMAL	sbvmhapur@gmail.com	10
4.	TANYA	sbvmhapur@gmail.com	9
5.	MANSI	sbvmhapur@gmail.com	9

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

Complete the table:

	Your school's area
Site area in square meter (m2)	31,792
Ground coverage area	3,785
Green landscaped area on-ground	3,825
Surface parking area	2,144
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	15,000

Service Area on ground	0
Roof and terrace area	3,785
Green cover on exposed roof & terrace	0
Total built up/constructed area	11,354
Total no. of floors	3
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	5	140	145
Animals	0	0	0

Task 4: Find out if your school uses pesticides

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

Yes

Supporting Documents

- 1. DSC04023.JPG
- 2. DSC04009.JPG
- 3. DSC04012.JPG
- 4. DSC04014.JPG
- 5. DSC04025.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	DR. ROOMA TYAGI	drroomatyagi1@gmail.com
2.	MS. AYESHA	ayesha.royale@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR. RADHEYSHYAM	radhey361982@gmail.com
2.	MR. TEJVIR SINGH	sbvmhapur@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	POOJA SOLANKI	sbvmhapur@gmail.com	9
2.	KOMAL	sbvmhapur@gmail.com	10
3.	GAURI SACHDEVA	sbvmhapur@gmail.com	10
4.	SIMRAN SIROHI	sbvmhapur@gmail.com	11
5.	SHRUTI GOEL	sbvmhapur@gmail.com	11
6.	SHIVI SIWAL	sbvmhapur@gmail.com	12

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	7880
Toilet flushing	3940
Personal cleaning	1970
Washing clothes	280
Cooking	200
Cleaning Utensils	100

Washing Vegetables	10
Mopping floors	80
Gardening	300
Total	14760

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

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?	No
If your school has an eco-club, do they have water component?	No
Do all tanks in the school have float valves installed to stop overflow?	No
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?	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?	No

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

- 1. DSC04058.JPG
- 2. DSC04059.JPG
- 3. DSC04065.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).

3826

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

55

How many hand pumps do you have?

5

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

15

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

	Girls	Boys	Common	Total
Number of toilets	54	4	2	60

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

4

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

0

Is 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?

Yes

Does your school reuse the treated wastewater?

Yes

How does your school reuse wastewater?

Gardening

No documents uploaded by the school.



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	MS. AYESHA	ayesha.royale@gmail.com
2.	MS. ASHMA PATEL	sbvmhapur@gmail.com
3.	MS. SWATI AGARWAL	sbvmhapur@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR. RADHEYSHYAM	radhey361982@gmail.com
2.	MR. TEJVIR SINGH	sbvmhapur@gmail.com
3.	MR. SUDHIR PRATAP CHAUHAN	sbvmhapur@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	BHAWNA	sbvmhapur@gmail.com	10
2.	MANSI	sbvmhapur@gmail.com	9
3.	RITIKA	sbvmhapur@gmail.com	11
4.	GAURI	sbvmhapur@gmail.com	10
5.	PRAGYA CHAUHAN	sbvmhapur@gmail.com	11

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	44	0	44	0	0
Playgrounds	4	0	4	0	0
Common area (e.g. reception, corridors)	18	0	18	0	0
Staffroom	7	0	7	0	0
Laboratory	14	0	14	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	9	0	0	0	9
Library	2	0	1	1	0
Toilets	60	0	60	0	0
Others	14	0	13	0	1
Total	172	0	161	1	10

- 1. IMG_20161116_151906.jpg
- 2. IMG_20161116_152601.jpg
- 3. IMG_20161116_151842.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	200
Kitchen waste	50
Paper	220
Plastic	10
Wood, glass, metal, classroom furniture	20
E-waste	6
Biomedical waste	0.5

Sanitary waste	80
Construction and Demolition (C & D) waste	300
Hazardous waste	20
Total Generated Solid Waste (in kilogram)	906.5

- 1. IMG_20161116_145523.jpg
- 2. IMG_20161116_152746.jpg
- 3. IMG_20161116_135255.jpg
- 4. IMG_20161116_135302.jpg
- 5. IMG_20161116_135338.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. IMG_20161116_152300.jpg
- 2. IMG_20161116_153447.jpg
- 3. IMG_20161116_153426.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. IMG_20161116_152112.jpg
- 2. IMG_20161116_152136.jpg

9 Does your school burn waste?

Yes

Supporting Documents

- 1. IMG_20161116_152143.jpg
- 2. BURNT WASTE 001.jpg

Where does your school burn waste?

Inside the school

What kind of waste is being burnt/ incinerated?

HorticulturalPaper

10

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

	Total	Working conditions	Non-working condition
TVs	3	3	0
VCR or DVD players	0	0	0
Refrigerators and freezers	7	7	0
Washing machines	1	1	0
Air conditioners	6	6	0
Heaters	2	2	0
Microwaves	0	0	0
Ovens	4	4	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	100	100	0
Laptop computer (CPU, mouse, screen and keyboard included)	2	2	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	8	8	0
Copying equipment (Photocopiers)	3	3	0
Projectors	37	37	0
Whiteboards	35	35	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	10	10	0
Fax machines	0	0	0
Telex	0	0	0

Telephones	3	3	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

- 1. IMG_0154.JPG
- 2. IMG_20161116_135156.jpg
- 3. IMG_20161116_135229.jpg
- 4. IMG_20161116_153525.jpg

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

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

Yes

Supporting Documents

- 1. DSC02455.JPG
- 2. IMG_20161116_124913.jpg

What form do these awareness drives take?

As part of the curriculum, By the showcasing of posters and stickers

Is the study of the environment integrated into the curriculum?

Yes

- 1. DSC04017.JPG
- 2. IMG_20161116_145510.jpg
- 3. IMG_20161116_152112.jpg
- 4. IMG_20161116_170132.jpg



Has vo	ur 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?

We are planning to install Rainwater Harvesting System also.

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	Average
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?

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

8.00

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. Picture of 5 star appliances used by school
- 6. Photographs of lunch boxes
- 7. Pictures of Green Cover
- 8. Pictures of landscaped area
- 9. Building construction plan
- 10. Pictures of bio-pesticides
- 11. Pictures of dustbins in classroom showing segregation at source

How many students were involved in the activities?

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