



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: St. Marks sr. sec. public school

Address: A-Block, Meera bagh, New Delhi, delhi,
Delhi, India

Coordinator Name: saranpreet kaur/Manisha Pathak



AIR



ENERGY



FOOD



LAND



WATER



WASTE

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

1

Name of the School / Institution

St. Marks sr. sec. public school

2

Address

A-Block,Meera bagh, New Delhi, delhi, Delhi, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 11 (NUMBER) 25262056

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9810159659

5

Principal Name

Ms. Anjali Aggarwal

6

GSP Coordinator Name

saranpreet kaur/Manisha Pathak

7

GSP Coordinator Email

saranpreetkaur76@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9212436608

9

Category Of The School

Day Scholar

10

School Shifts

Morning

GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:1

Highest level of grade:12

2

Is your school single gender or mixed gender?

Mixed/Co-education

3

Which board of education does the school follow?

Central Board of Secondary Education

4

Total permanent population of the school

	Male	Female	Total
Students	2363	01440	3803
Teachers	11	95	106
Non-Teaching Staff	11	12	23
TOTAL	2385	1547	3932

4(b)

How many visitors visit your school

15

5

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

182

6

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

Sep, Oct

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Saranpreet Kaur	Mrs. Saranpreet Kaur
2.	Mrs. Manisha Pathak	manishapathak99@gmail.com
3.	Mrs. Shubhra Rana	shubrarana07@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Bhardwaj	

Students

Sno.	Name	Email	Grade/Class
1.	Devanshi Sharma	dsdevanshi5@gmail.com	9
2.	Simran Vohra	simran.vohra.sms@gmail.com	9
3.	Abhinav Arora	abhinav.arora.sms@gmail.com	9
4.	Puneet Singh Bajaj	puneetbajaj2003@gmail.com	9

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

1 How many classrooms does your school have?

148

2 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 1 sectionA	8,498.41	2,238.00	26.33
Class 2 sectionB	8,498.41	2,238.00	26.33
Class 3 sectionC	8,498.41	2,238.00	26.33
Class 4 sectionD	8,498.41	2,238.00	26.33
Class 5 sectionE	8,498.41	2,238.00	26.33

Class 6 sectionF	8,498.41	2,238.00	26.33
Class 7 sectionG	8,498.41	2,238.00	26.33
Class 8 sectionH	8,498.41	2,238.00	26.33
Class 9 sectionG	8,498.41	2,238.00	26.33
Class 10 sectionD	8,498.41	2,238.00	26.33
TOTAL	84,984.06	22,380.00	

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

3

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	1	0	0	0	1
Parking area (m2)	2023.43	0	0	0	2023.43

No documents uploaded by the school.

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	0	0	0	1	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	0	0	0	1	0	0

No documents uploaded by the school.

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

4

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

	Students	Teaching Staff	Non Teaching Staff	Total
School Bus	600	12	0	612
Public Bus	550	11	0	561
School Transport(Other than bus)	500	0	0	500
Public transport (other than bus, Metro, car pool)	50	0	0	50
Taxi four-wheeler	0	3	0	3
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	50	50	0	100
Personal two-wheeler	4	10	12	26
Bicycle	1	0	10	11
On foot	500	20	1	521
Others (non-motorised)	1548	0	0	1548
SUB-TOTAL	3803	106	23	3932

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

5

How many students suffer from respiratory ailments ?

155

6

Does the school laboratory have air quality monitoring equipment?

No

No documents uploaded by the school.

6(a)

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 Anita mahendra	anita6420@gmail.com
2.	Ms Saranpreet kaur	saranpreetkaur76@gmail.com
3.	Ms Manisha pathak	manishapathak99@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Anil Bardawaj	
2.	Ms. Sarita	
3.	Ms. NEETU	

Students

Sno.	Name	Email	Grade/Class
1.	Puneet Singh Bajaj	puneet.bajaj2003@gmail.com	9
2.	Simran Vohra	simran.vohra.sms@gmail.com	9
3.	Abinav Arora	abinav.arora.sms@gmail.com	9

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. PUNEET E BILLS-ilovepdf-compressed.pdf

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)	17509	63032.40	2
Electricity from generator (diesel) (litres)	365	16644.00	1
Petrol (litres)	0	0.00	0
Diesel (litres)	1500	68400.00	2
CNG (kilogrammes)	9600	503040.00	2
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)	34	408.00	1
TOTAL	29008.00	651524.40	

Supporting Documents

1. PUNEET IPL -ilovepdf-compressed.pdf

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	4	3	5
Refrigerator	4	60	4
Microwave	1	2	4
Tube Lights	0	0	0

CFL Bulbs	0	0	0
LED Lights	866	8	5
Fans	640	80	4

Supporting Documents

1. IMG-20161117-WA0006.jpg
2. IMG-20161117-WA0008.jpg

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

5

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

265

6

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

No

No documents uploaded by the school for energy chapter.



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Manisha Pathak	manishapathak99@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Bhardwaj	

Students

Sno.	Name	Email	Grade/Class
1.	Mehak Malhotra	mehakmalhotra26@gmail.com	9
2.	Nishtha Gulati	gulatin009@gmail.com	9
3.	Anshuman Sharma	anshuman9599359847@gmail.com	9
4.	Shivam Marwah	shivam.marwah@gmail.com	9
5.	Yugjeet	yugusangwan@gmail.com	8
6.	Saumya	1841siya@gmail.com	8

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

2 Does your school serve midday meals?
No

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

No documents uploaded by the school.

2(a)(1) How many students out of total student population bring home-made lunch?
3800.00

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

50.00

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

3 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.

4 Does your school serve traditional Indian snacks?

No

5

Does your school serve traditional Indian beverages?

No

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

6

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

Yes

6(a)

Please provide details

Vegetable sandwiches, muffins, frooti, biscuits

7

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

No

8

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

No

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	saranpreet kaur	saranpreetkaur76@gmail.com

Administrative staff

Sno.	Name	Email
1.	Anil Bhardwaj	

Students

Sno.	Name	Email	Grade/Class
1.	Abhinav Arora	abhinav.arora.sms@gmail.com	9
2.	Simran Vohra	simran.vohra.sms@gmail.com	9
3.	Puneet Bajaj	puneet.bajaj2003@gmail.com	9

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

1

Complete the table:

	Your school's area
Site area in square meter (m ²)	17,037
Ground coverage area	8,498
Green landscaped area on-ground	8,500
Surface parking area	2,023
Play area that is paved/ concrete on ground	809
Play area that has grass on ground	2,428
Service Area on ground	324
Roof and terrace area	7,082
Green cover on exposed roof & terrace	0
Total built up/constructed area	33,994

Total no. of floors	4
Others	2,833

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

3

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

	Native	Exotic	Total
Plants	160	20	180
Animals	85	15	100

Task 4: Find out if your school uses pesticides

4

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

No

No documents uploaded by the school.



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	saranpreet kaur	saranpreetkaur76@gmail.com
2.	Manisha Pathak	manishapathak99@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr.Anil Bhardwaj	
2.	Mrs. Sarita	
3.	Mrs Neetu	

Students

Sno.	Name	Email	Grade/Class
1.	Chaitanya Arora	chaitanya.arora.sms@gmail.com	9
2.	Abhiroop Dutta	abhirup.dutta02@gmail.com	9
3.	Manmeet Singh Tuteja	mstuteja20022gmail.com	9
4.	Navya Aggarwal	navya.aggarwal18@gmail.com	9
5.	Maahir Kohli	kohlimaaahir27@gmail.com	8
6.	Aryan Ahuja	aryan24092002@gmail.com	8
7.	Nandita Sareen	nandita.sareen08@gmail.com	8

Task 2: How much water does your school use?

1

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	330
Toilet flushing	3825.84
Personal cleaning	570
Washing clothes	30

Cooking	20
Cleaning Utensils	600
Washing Vegetables	12
Mopping floors	200
Gardening	50000
Total	55587.84

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

2 Where does the water your school uses, come from?

Surface water

3 Who supplies the water in your school?

Municipality

4 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?

5 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?	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?	Yes
Any other step taken for water conservation? (if Yes, please specify)	Yes

No documents uploaded by the school.

Task 5: Does your school harvest rainwater?

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

No

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

7082

Task 6: Are the plumbing and sanitation facilities in your school adequate?

7 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?

16

9 How many hand pumps do you have?

1

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

40

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

	Girls	Boys	Common	Total
Number of toilets	45	90	2	137

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

99

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

8

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

Yes

15 Is the water supply sufficient?

Yes

16 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?

17 Does your school treat wastewater?

No

18 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. IMG-20161112-WA0002.jpg



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Saranpreet Kaur	saranpreetkaur76@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Satdev Bhardwaj	stmarksmb@saintmarksschool.com

Students

Sno.	Name	Email	Grade/Class
1.	Simran Vohra	simran.vohra.sms@gmail.com	9
2.	Abhinav Arora	abhinav.arora.sms@gmail.com	9
3.	Devanshi Sharma	dsdevanshi5@gmail.com	9
4.	Puneet Bajaj	puneetbajaj2003@gmail.com	9

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

1 Does your school segregate solid waste?

Yes

1a Who segregates the waste at source?

1. Housekeeping (Sweeper)

2 Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	148	0	148	0	0
Playgrounds	2	0	2	0	0
Common area (e.g. reception, corridors)	16	0	16	0	0

Staffroom	5	0	5	0	0
Laboratory	12	0	12	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	2	0	2	0	0
Library	2	0	2	0	0
Toilets	42	0	42	0	0
Others	5	0	5	0	0
Total	234	0	234	0	0

Supporting Documents

1. IMG-20161117-WA0023.jpg

Task 3: How much waste does your school generate?

3

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

	Collection per month (Frequency may differ)
Garden/ horticulture waste	600
Kitchen waste	45
Paper	450
Plastic	150
Wood, glass, metal, classroom furniture	120
E-waste	0
Biomedical waste	0
Sanitary waste	90
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1455

Supporting Documents

1. IMG-20161117-WA0016.jpg
2. IMG-20161117-WA0017.jpg

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

4

Does your school recycle any generated waste?

Yes

4a

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

	Quantity
Garden/ horticulture waste	600
Kitchen waste	45
Paper	400
Plastic	0
Wood, glass, metal, classroom furniture	50
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	1095

5

Does your school have a composting facility?

Yes

Supporting Documents

1. IMG-20161117-WA0005.jpg
2. IMG-20161117-WA0009.jpg

5a

What is the methodology used?

Natural composting without added microbes

5b

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

10.00

5c

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

For school garden

6

Does your school encourage students & teachers to reuse textbooks?

Yes

7

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)	✗	✗	✓	✗

Supporting Documents

1. IMG-20161117-WA0010.jpg

Task 5: How does your school dispose waste?

8

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

Designated dumping site (Dhalao)

Supporting Documents

1. IMG-20161117-WA0019.jpg

9

Does your school burn waste?

No

10

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

	Total	Working conditions	Non-working condition
TVs	4	4	0
VCR or DVD players	0	0	0
Refrigerators and freezers	4	4	0
Washing machines	1	1	0
Air conditioners	0		0
Heaters	0		0
Microwaves	1	1	0
Ovens	0	0	0
Toasters	1	1	0
Electric Kettles	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	180	180	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0

Notebook computers	0	0	0
Notepad computers	1	1	0
Printers	8	8	0
Copying equipment (Photocopiers)	2	2	0
Projectors	148	148	0
Whiteboards	148	148	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	2	2	0
Telex	1	1	0
Telephones	12	12	0
Pay telephones	0	0	0
Mobiles	100	100	0
Answering systems	1	1	0

Supporting Documents

1. IMG-20161117-WA0001.jpg
2. IMG-20161117-WA0002.jpg
3. IMG-20161117-WA0003.jpg
4. IMG-20161117-WA0004.jpg
5. IMG-20161117-WA0012.jpg

11

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

Yes

No documents uploaded by the school.

11a

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

Authorised dismantler

Task 6: School's initiatives

12

Does the school have a policy on waste?

Yes

Policy document

13

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

Yes

Supporting Documents

1. Capture.JPG
2. 1.jpg
3. 2.jpg
4. 3.jpg
5. 4.jpg

13a

What form do these awareness drives take?

As part of extracurricular activities such as guest lectures

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. IMG-20161117-WA0015.jpg



FEEDBACK

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?

2010

1(b)

If yes, how many times have you done the audit?

3

2

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

Yes

3

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

Yes

4

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

Yes

5

Did you understand the present format of the GSP?

Yes

6

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

Yes

7

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

water management i.e. rain water harvesting and grey water management and use of renewable sources i.e. solar energy

8

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

9

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

No

10

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

Yes

11

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

More than twice

12

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

13

Did your students enjoy doing the Water activities?

Yes

13(a)

How many students were involved in the activities?

50.00

Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Picture of 5 star appliances used by school