



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: MODERN PUBLIC SCHOOL
Address: B-BLOCK, SHALIMAR BAGH, DELHI,
DELHI, DELHI, Delhi, India
Coordinator Name: Achla Sharma



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

MODERN PUBLIC SCHOOL

2

Address

B-BLOCK, SHALIMAR BAGH, DELHI, DELHI, DELHI, Delhi, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 011 (NUMBER) 27487672

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9811705555

5

Principal Name

ALKA KAPUR

6

GSP Coordinator Name

Achla Sharma

7

GSP Coordinator Email

achla87sharma@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9899543456

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	1600	1060	2660
Teachers	16	90	106
Non-Teaching Staff	55	32	87
TOTAL	1671	1182	2853

4(b)

How many visitors visit your school

900

5

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

192

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.	Ms. Achla	Ms. Achla

Administrative staff

Sno.	Name	Email
1.	Ms Daisy	
2.	Mr. Ashish	
3.	Mr. Chadha	

Students

Sno.	Name	Email	Grade/Class
1.	Priyanka		8
2.	Ria		8
3.	Kirti Chopra		8
4.	Harshit Bansal		8
5.	Mayank Gupta		8

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

1 How many classrooms does your school have?

63

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)
KG C	37.16	10.35	27.85
KG D	37.16	10.35	27.85
V D	37.16	12.78	34.39

VI A	37.16	12.78	34.39
VII E	37.16	10.35	27.85
IX A	37.16	12.78	34.39
X B	37.16	12.78	34.39
X D	37.16	12.78	34.39
XI B	37.16	10.35	27.85
XII D	37.16	10.35	27.85
TOTAL	371.60	115.65	

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?

School-owned vehicles

3(a)

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	10	2	0	4	16
No. of vehicles more than five years old	0	0	0	0	0
Air conditioned	0	2	0	0	2
No. of vehicles with PUC done	10	2	0	4	16
Parking area (m2)	1010.33	143.72	0	0	1154.05

Supporting Documents

1. PUC Certificates.pdf

3(b)

Specify the type of fuel used by your school vehicles:

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

Bus	0	0	0	10	0	0
Car	2	0	0	0	0	0
Van	0	0	0	0	0	0
Other vehicles	4	0	0	4	0	0
SUB-TOTAL	6	0	0	14	0	0

Supporting Documents

1. SCHOOL VEHICLES.pdf
2. FUEL BILLS.pdf

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	587	12	12	611
Public Bus	0	1	5	6
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	3	1	4
Taxi four-wheeler	1141	0	0	1141
Taxi three-wheeler	25	26	0	51
Personal four-wheeler	97	33	1	131
Personal two-wheeler	99	19	3	121
Bicycle	27	0	2	29
On foot	656	2	62	720
Others (non-motorised)	28	10	1	39
SUB-TOTAL	2660	106	87	2853

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

5

How many students suffer from respiratory ailments ?

23

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. Achla	achla87sharma@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Ashish	
2.	Mr. Chadha	

Students

Sno.	Name	Email	Grade/Class
1.	Priyanka		8
2.	Ria		8
3.	Harshit Bhaskar		8
4.	Simran Thakur		8
5.	Khushi Verma		8

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. ELECTRICITY BILLS.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)	17958.35	64650.06	1,5
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	54.95	2566.17	4
Diesel (litres)	218.75	9975.00	4
CNG (kilogrammes)	2582.55	135325.62	4
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)	16.2	835.92	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	20830.80	213352.77	

Supporting Documents

1. FUEL BILLS.pdf

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	46	2T-9 1.5T-37	NA
Refrigerator	1	260 Lt	NA
Microwave	1	1 Kw	NA
Tube Lights	305	40 W	NA

CFL Bulbs	162	15 W	NA
LED Lights	229	30-40 W	NA
Fans	417	50 W	NA

No documents uploaded by the school.

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

5

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

210

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.	Ms.Achla	achla87sharma@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr.Hridyesh	

Students

Sno.	Name	Email	Grade/Class
1.	Priyanka		8
2.	Ria		8
3.	Aryan		8
4.	Archit		8
5.	Khushi Toshniwal		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

Supporting Documents

1. HOME COOKED FOOD.pdf

2(a)(1)

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

2660.00

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

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?

No

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

Supporting Documents

1. AUDIT TEAM DOING SURVEY.pdf
2. NO CANTEEN POLICY.pdf



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Ms.Achla	achla87sharma@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Chadha	
2.	Mr.Ashish	

Students

Sno.	Name	Email	Grade/Class
1.	Priyanka		8
2.	Ria		8
3.	Harshit		8
4.	Madhav		8

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

1

Complete the table:

	Your school's area
Site area in square meter (m2)	17,156
Ground coverage area	2,189
Green landscaped area on-ground	16,877
Surface parking area	1,154
Play area that is paved/ concrete on ground	2,352
Play area that has grass on ground	16,391
Service Area on ground	349
Roof and terrace area	1,403

Green cover on exposed roof & terrace	0
Total built up/constructed area	4,777
Total no. of floors	3
Others	1,468

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	140	20	160
Animals	47	5	52

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. SCHOOL SITE PLAN.pdf
2. GREEN COVER AREA.pdf
3. HERBAL GARDEN.pdf
4. LANDSCAPE AREA.pdf



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Ms. Achla	achla87sharma@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr.Ashish	
2.	Mr. Chadha	

Students

Sno.	Name	Email	Grade/Class
1.	Priyanka		8
2.	Ria		8
3.	Madhav		8
4.	Shweta		8
5.	Himani Khullar		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	3000
Toilet flushing	22000
Personal cleaning	0
Washing clothes	0
Cooking	15
Cleaning Utensils	25
Washing Vegetables	5

Mopping floors	50
Gardening	5000
Total	30095

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

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

2-6 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?	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)

No

Supporting Documents

1. AUDIT TEAM DOING SURVEY.pdf

Task 5: Does your school harvest rainwater?

6

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?

Paved

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, Mopping, Toilets, Washing vehicles

6(b)(2)

Does your school have rainwater storage tank?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

20000.00

6(b)(2)(b)

Total number of storage tanks

2.00

6(b)(2)(c)

Location of tanks:

Underground

6(b)(2)(d)

Material options for tanks

Combination of PVC + RCC + Brick

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

71 to 80 per cent

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

Conduits, Gutters, Filter unit, Storage tank, Collection sump, Recharge structure

6(d)(1) Where is your filter unit?

Before recharge system

6(d)(2) Types of filter used in your school:

Sand gravel filter

6(e) Rate your catchment on cleanliness:

Good

Supporting Documents

1. RAINWATER HARVESTING.pdf

6(f) 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

6(g) Does your school monitor the rainwater harvesting structure for its efficiency?

Yes

6(g)(1) 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?

If there was an increase, please specify

6(h)(1) Please specify how much was the increase?

1-5 metre annually

6(i) 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?

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?

59

9

How many hand pumps do you have?

0

10

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

61

11

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

	Girls	Boys	Common	Total
Number of toilets	27	36	0	63

12

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

19

13

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

5

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

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Ms. Achla	achla87sharma@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Chadha	
2.	Mr. Ashish	

Students

Sno.	Name	Email	Grade/Class
1.	Priyanka		8
2.	Ria		8
3.	Khushi Toshniwal		8
4.	Adaa Gupta		8
5.	Madhav Aggarwal		8

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. Students and teachers
2. Housekeeping (Sweeper)
3. Other: Zero Waste Policy Adopted In School

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	63	0	63	0	0
Playgrounds	2	0	0	2	0
Common area (e.g. reception, corridors)	6	0	1	5	0
Staffroom	6	0	6	0	0
Laboratory	1	0	1	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	2	0	2	0	0
Toilets	46	0	3	43	0
Others	17	0	17	0	0
Total	144	0	94	50	0

Supporting Documents

1. GARBAGE COLLECTION.pdf

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	1000
Kitchen waste	0
Paper	3000
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0

Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	4000

Supporting Documents

1. STUDENTS WEIGHING SOLID WASTE.pdf
2. TYPE OF GARBAGE.pdf

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	1000
Kitchen waste	0
Paper	3000
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	4000

5

Does your school have a composting facility?

Yes

Supporting Documents

1. RECYCLING %26 COMPOST.pdf

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)?

12.00

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. RECYCLING %26 COMPOST.pdf

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. HOUSEKEEPING STAFF DISPOSING WASTE.pdf

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	8	8	0
VCR or DVD players	5	5	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	46	46	0
Heaters	7	7	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)	122	122	0
Laptop computer (CPU, mouse, screen and keyboard included)	3	3	0

Notebook computers	1	1	0
Notepad computers	0	0	0
Printers	10	10	0
Copying equipment (Photocopiers)	2	2	0
Projectors	49	49	0
Whiteboards	49	49	0
Electrical & electronic typewriters	1	1	0
Pocket & desk calculators	9	9	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	12	12	0
Pay telephones	12	12	0
Mobiles	24	24	0
Answering systems	0	0	0

Supporting Documents

1. ELECTRONIC ITEMS.pdf

11

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

Yes

Supporting Documents

1. E-WASTE POLICY.pdf
2. E-WASTE.pdf

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

ZERO WASTE POLICY SCHOOL.pdf

13

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

Yes

Supporting Documents

1. SCHOOL INITIATIVES.pdf

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. STUDENTS WEIGHING SOLID WASTE.pdf
2. Eco Club.pdf



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?

2015

1(b)

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

1

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?

By keep Monitoring and Evaluating Progress.

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?

30.00

Checklist of uploaded documents

1. PUC certificates of not more than five buses
2. Fuel Bills
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 dustbins in classroom showing segregation at source
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