

Responses for Green Schools Programme Audit 2016

School Name: ASN Senior Secondary School

Address: Mayur Vihar -1, Delhi-91, Delhi, East

Delhi, Delhi, India

Coordinator Name: Monica Kapahi



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

ASN Senior Secondary School

2 Address

Mayur Vihar -1, Delhi-91, Delhi, East Delhi, Delhi, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 11 (NUMBER) 22715885

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8130449000

5 Principal Name

Sonia Luthra

6 GSP Coordinator Name

Monica Kapahi

GSP Coordinator Email

monica.kapahi@asnschol.org

GSP Coordinator Mobile Number

(ISD)91 (Number) 9871079115

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	1836	1425	3261
Teachers	06	130	136
Non-Teaching Staff	11	30	41
TOTAL	1853	1585	3438

4(b) How many visitors visit your school

200

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?

Aug, Sep, Oct

Where is the school located?

Urban Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Megha Mehta Bhulania	Megha Mehta Bhulania

Administrative staff

Sno.	Name	Email
1.	Mr.Gaba	
2.	Mr.Singh	

Students

Sno.	Name	Email	Grade/Class
1.	Nitya Gupta	guptanitya200@gmail.com	9
2.	Shivani Pathak	shivanipathak2002@gmail.com	9
3.	Gargi Chaudhary	gargichaudhary2002@gmail.com	9
4.	Bhavya Sharma	poonam.bhavyasharma@gmail.com	9
5.	Sameeksha Luthra	gaurav13@gmail.com	9
6.	Garima Rawal	garima.rawal1524@gmail.com	9
7.	Pratham Chauhan	prathamchauhan2001@gmail.com	9
8.	Vanshya Sood	aprnasood22@gmail.com	9
9.	Tanvi Shankar	rashmirvj@gmail.com	9

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

How many classrooms does your school have?

80

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 XI Section F	22.45	17.96	80.00
Class IX Section E	26.39	22.04	83.52

Class IX Section C	35.58	21.53	60.51
Class IX Section A	36.67	28.95	78.95
Class XI Section B	22.45	17.96	80.00
Class X Section A	36.42	18.56	50.96
Class XII Section C	35.58	21.53	60.51
Class VII Section E	22.45	17.96	80.00
Class VIII Section D	36.42	22.04	60.52
Class VII Section G	35.58	21.53	60.51
TOTAL	309.99	210.06	

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?

A combination of school-owned and operator-owned vehicles

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	24	0	0	0	24
No. of vehicles more than five years old	11	0	0	0	11
Air conditioned	0	0	0	0	0
No. of vehicles with PUC done	24	0	0	0	24
Parking area (m2)	1767.26	0	0	0	1767.26

No documents uploaded by the school.

Specify the type of fuel used by your school vehicles:

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

Bus	0	0	0	24	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	24	0	0

No documents uploaded by the school.

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	1695	33	0	1728
Public Bus	10	0	10	20
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	50	15	0	65
Taxi four-wheeler	500	10	0	510
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	50	6	56
Personal two-wheeler	0	10	0	10
Bicycle	30	0	0	30
On foot	995	24	0	1019
Others (non-motorised)	0	0	0	0
SUB-TOTAL	3280	142	16	3438

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

How many students suffer from respiratory ailments?

12

6

Does the school laboratory have air quality monitoring equipment?

Yes

No documents uploaded by the school.



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	Ms.Hema puri	hemapuri@asnschool.org

Administrative staff

Sno.	Name	Email
1.	Mr.Naveen Chauhan	naveenchauhan@asnschool.org

Students

Sno.	Name	Email	Grade/Class
1.	Mr.Avnish Saini	aavnishsaini@rediffmail.com	11
2.	Ms.Latika Gupta	guptalatika1234@gmail.com	11
3.	Mr.Mukund Balaji	mukund.balaji1998@gmail.com	11
4.	Ms.Somya Singhal	somya1667@gmail.com	11
5.	Mr.Puneet Malhotra	puneetm4228@gmail.com	11

Task 2: How much energy does your school consume?

Does your school have access to an electricity bill?

Yes

No documents uploaded by the school.

Does your school have its own vehicles?

Yes

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)	50	180.00	1,5

9 of 31

Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	0	0.00	0
Diesel (litres)	0	0.00	0
CNG (kilogrammes)	65	3406.00	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)	0	0.00	0
Piped Natural Gas (kilogrammes)	210	2520.00	3,5
TOTAL	325.00	6106.00	

No documents uploaded by the school.

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners 57		1.5	4
Refrigerator	7	220L	4
Microwave	9	20L	4
Tube Lights	720	60	0
CFL Bulbs	0	0	0
LED Lights	124	18	0
Fans	748	0	0

No documents uploaded by the school.

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

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

200

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.	monica kapahi	monica.kapahi@asnschool.org

Administrative staff

Sno.	Name	Email
1.	sushma kalia	sushma.kalia@asnschool.org

Students

Sno.	Name	Email	Grade/Class
1.	kanak		11
2.	aditi		11
3.	greeshma		12
4.	jai		12
5.	jaskomal		12
6.	sneha		12

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

Yes

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?

2800.00

2(a)(2)

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

100.00

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	5	1500	8
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	3	2000	8
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	5	2000	8
Packaged/Bottled Energy Drinks	0	0	0

Supporting Documents

- 1. IMG_9658.JPG
- 2. IMG_9657.JPG
- 3. cc.JPG
- 4. IMG_9656.JPG

4 Do

Does your school serve traditional Indian snacks?

Yes

4(a)

Please provide the details:

	Number of plates sold when on the menu
Samosas	100
Idli/vada and sambhar	150
Pav bhaji	200
Momos	0
Others	100

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

bhel puri bread pakora

Does your school serve traditional Indian beverages?

Yes

5(a)

Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	150
Sweet lassi	200
Salted butter milk	200
Aam Panna	0
Others	0

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

Q

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.	Rosy Badhwar	badhwar.rosy2@gmail.com

Administrative staff

Sno.	Name	Email	
1.	Mukesh Gaba	mukesh.gaba@asnschool.org	
2.	Ashokta Tarnacha	ashokta.tarancha@asnschool.org	

Students

Sno.	Name	Email	Grade/Class
1.	Anmol dev	anmoldev01@gmail.com	10
2.	Samarth	samarth_sharma16@hotmail.com	10
3.	Sukant thakur	thakursukant16@gmail.com	10
4.	Akshay Kumar Kashyap	akshaykumarkashyap143@gmail.com	10
5.	Gursimar Singh	khalsaboys008@gmail.com	10
6.	Raman Ahuja	ramanahuja21@gmail.com	10
7.	Raghav Luthra	raghavluthra@asnschool.org	10
8.	Ritish sajwan	ritish.sajwan@gmail.com	10
9.	Daksh Jain	dakshrocks20000@gmail,.com	10
10.	Prashnat Kumar	pkprashant2111@gmail.com	10

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

Complete the table:

	Your school's area
Site area in square meter (m2)	21,353
Ground coverage area	6,597
Green landscaped area on-ground	4,000

16 of 31

Surface parking area	1,767
Play area that is paved/ concrete on ground	2,295
Play area that has grass on ground	4,708
Service Area on ground	1,267
Roof and terrace area	469
Green cover on exposed roof & terrace	0
Total built up/constructed area	26,386
Total no. of floors	4
Others	708

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	40	10	50
Animals	25	0	25

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.	Ms.Anupriya	anupriya.chaudhary@asnschool.org
2.	Ms.Kanchan	kanchan.budhiraja@asnschool.com

Administrative staff

Sno.	Name	Email
1.	Mr. Mukesh Gaba	
2.	Mr. Naveen	
3.	Ms. Poonam	

Students

Sno.	Name	Email	Grade/Class
1.	Kartik		11
2.	Shrisha		11
3.	Apoorv		
4.	Ritik		
5.	Trisha		

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	10000
Toilet flushing	23000
Personal cleaning	2700
Washing clothes	1500
Cooking	1000
Cleaning Utensils	2000

Washing Vegetables	700
Mopping floors	8500
Gardening	15500
Total	64900

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?

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

No documents uploaded by the school.

Good

Task 5: Does your school harvest rainwater? Do you have Rainwater harvesting (RWH) system in your school? Yes Does your school harvest different catchments?. Yes Which is the catchment area being harvested by your school? 6(a)(1) Rooftop + Paved + Unpaved How does your school harvest rainwater? By recharging groundwater Does your school have groundwater recharge structure? 6(b)(1) Yes Please share the total number of groundwater recharge structures 6(b)(1)(i) 4.00 Please tick the type of groundwater recharge structure used in your school: 6(b)(1)(ii) Recharge pits How much area in your school is harvested? 71 to 80 per cent Please select (from the list given below) the rainwater harvesting structures present in your school Recharge structure Rate your catchment on cleanliness:

No documents uploaded by the school.

Yes

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?
	Do not follow any such pattern
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?
	Do not follow any such pattern
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?

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

Yes

How many drinking water taps do you have?

42

How many hand pumps do you have?

0

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

71

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

	Girls	Boys	Common	Total
Number of toilets	11	13	4	28

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

30

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

7

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

Once a day

Task 7: Does your school reuse/recycle waste water?

Does your school treat wastewater?

No

Does your school reuse the treated wastewater?

Yes

How does your school reuse wastewater?

No documents uploaded by the school.

Flushing



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	MS RADHIKA KAPOOR	mailtoradhikakapoor@gmail.com

Administrative staff

Sno.	Name	Email
1.	naveen chauhan	
2.	sunil singh	

Students

Sno.	Name	Email	Grade/Class
1.	Gyanvi bhardwaj		10
2.	agneebh		10
3.	henspreet kaur		9
4.	ashutosh pandey		9
5.	shashwat singh butola		9

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

Does your school segregate solid waste?

Yes

1a 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	2	0	0	2	0
Playgrounds	3	0	0	0	3

Common area (e.g. reception, corridors)	1	0	1	0	0
Staffroom	2	0	0	2	0
Laboratory	3	0	0	0	3
Canteen	2	0	0	2	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	2	0	0	2	0
Others	3	0	0	0	3
Total	20	0	3	8	9

- 1. dustbin in class.jpg
- 2. dustbins in playgrounds.jpg
- 3. common area.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	500
Plastic	2
Wood, glass, metal, classroom furniture	5
E-waste	1.5
Biomedical waste	1.3
Sanitary waste	1
Construction and Demolition (C & D) waste	200

Hazardous waste	.15
Total Generated Solid Waste (in kilogram)	960.94999999999

- 1. different type of solid waste.jpg
- 2. sorting of waste.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	180
Kitchen waste	21
Paper	15
Plastic	50
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)	266

Does your school have a composting facility?

Yes

5

- 1. compost pit.jpg
- 2. paper recycle unit.jpg

5a What is the methodology used?

Natural composting without added microbes

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

10.00

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 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. paper recycle unit.jpg

Task 5: How does your school dispose waste?

8

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

Landfill Site

Supporting Documents

- 1. different type of solid waste.jpg
- 2. sorting of waste.jpg
- 3. types of bins.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	14	14	0
VCR or DVD players	5	5	0
Refrigerators and freezers	7	7	0
Washing machines	3	3	0
Air conditioners	57	57	0
Heaters	10	10	0
Microwaves	9	9	0
Ovens	0	0	0
Toasters	1	1	0
Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	256	256	0

Laptop computer (CPU, mouse, screen and keyboard included)	3	3	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	18	18	0
Copying equipment (Photocopiers)	2 2		0
Projectors	94	94	0
Whiteboards	89	89	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	12	12	0
Fax machines	2	2	0
Telex	0	0	0
Telephones	52	52	0
Pay telephones	0	0	0
Mobiles	10	10	0
Answering systems	0	0	0

- 1. electronic item.jpg
- 2. electronic item%5B1%5D.jpg
- 3. electronic item 2.jpg
- 4. electronic item 3.jpg
- 5. electronic item 4.jpg

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?

Taken back by manufacturer

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

No documents uploaded by the school.

13a

What form do these awareness drives take?

As part of the curriculum

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

- 1. audit team.jpg
- 2. audit team 1.jpg



FEEDBACK

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

Yes

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?

5

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

Yes

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?

awareness campaigns

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	on 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 P counseling? Never	rogramme Team for guidance and			
12	Water being the focus this year, did you find the quest 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?				

Checklist of uploaded documents

300.00

- 1. PUC certificates of not more than five buses
- 2. Picture of Air Quality Monitoring equipment of school
- 3. Fuel Bills
- 4. Picture of School owned vehicles
- 5. Electricity Bill
- 6. Picture of Canteen selling UPPF
- 7. Pictures of dustbins in classroom showing segregation at source
- 8. Pictures of respective audit teams doing survey