

Responses for Green Schools Programme Audit 2016

School Name: Amity International School

Address: Mayur Vihar, Phase I, Delhi, Delhi, Delhi,

India

Coordinator Name: Richa Sharma



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

Amity International School

2 Address

Mayur Vihar, Phase I, Delhi, Delhi, Delhi, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 11 (NUMBER) 22717261

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9560742887

5 Principal Name

Dr.Priyanka Mehta

6 GSP Coordinator Name

Richa Sharma

GSP Coordinator Email

rsharma1@aismv.amity.edu

GSP Coordinator Mobile Number

(ISD)91 (Number) 9971701224

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	1071	824	1895
Teachers	22	100	122
Non-Teaching Staff	15	5	20
TOTAL	1108	929	2037

4(b) How many visitors visit your school

35

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

214

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.	Richa Sharma	Richa Sharma

Administrative staff

Sno.	Name	Email
1.	Sunil Pandit	spandit@aismv.amity.edu

Students

Sno.	Name	Email	Grade/Class
1.	Arnav Mahajan	arnav.mahajan.2001@gmail.com	10
2.	Aryan Garg	garg.aryan@rocketmail.com	10
3.	Anvit Gupta	anvit2001@gmail.com	10
4.	Utkarsh Aggarwal	demigodslie@gmail.com	10
5.	Anuj Aggarwal	anujaggarwal256@gmail.com	10
6.	Shreyans Murkute	smurkute2001@gmail.com	10

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

1 How many classrooms does your school have?

46

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)
2B	49.05	16.95	34.56
4A	49.05	16.95	34.56
4B	49.05	16.95	34.56
5A	49.05	16.95	34.56
6B	49.05	16.95	34.56

7D	49.05	16.95	34.56
9D	49.05	16.92	0.00
10C	49.05	16.95	34.56
11C	49.05	16.95	34.56
12B	49.05	16.95	34.56
TOTAL	490.50		

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	3	2	2	0	7
No. of vehicles more than five years old	2	1	0	0	3
Air conditioned	0	2	2	0	4
No. of vehicles with PUC done	3	2	2	0	7
Parking area (m2)	80	20	30	0	130

Supporting Documents

1. puc.JPG

3(a)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	0	0	0	3	0	0
Car	1	0	0	0	0	0

Van	0	2	0	0	0	0
Other vehicles	1	0	0	0	0	0
SUB-TOTAL	2	2	0	3	0	0

- 1. Air audit.JPG
- 2. fuel bill.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	1558	54	4	1616
Public Bus	0	0	0	0
School Transport(Other than bus)	177	22	0	199
Public transport (other than bus, Metro, car pool)	21	8	2	31
Taxi four-wheeler	16	0	0	16
Taxi three-wheeler	4	0	0	4
Personal four-wheeler	46	25	1	72
Personal two-wheeler	17	4	0	21
Bicycle	19	0	10	29
On foot	37	9	3	49
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1895	122	20	2037

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

How many students suffer from respiratory ailments?

74

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.	Richa Sharma	rsharma1@aismv.amity.edu

Administrative staff

Sno.	Name	Email
1.	Sunil Pandit	spandit@aismv.amity.edu

Students

Sno.	Name	Email	Grade/Class
1.	Arnav Mahajan	arnav.mahajan.2001@gmail.com	10
2.	Aryan Garg	garg.aryan@rocketmail.com	10
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5.	Shreyans Murkute	smurkute@gmail.com	10
6.	Anuj Aggarwal	anujaggarwal256@gmail.com	10

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. scan0008.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)	25458	91648.80	1,2,3,5
Electricity from generator (diesel) (litres)	110	5016.00	1
Petrol (litres)	30	1401.00	4
Diesel (litres)	60	2736.00	4
CNG (kilogrammes)	540	28296.00	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)	36	129.60	1
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	18	928.80	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	26252.00	130156.20	

1. fuel bill.JPG

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	29	2	4
Refrigerator	2	300	4
Microwave	4	17	3
Tube Lights	810	80	0

10 of 31

CFL Bulbs	2	15	3
LED Lights	4	56	3
Fans	435	36	4

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?

226

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

Yes

Name the alternate sources of energy employed/ installed in your school?

Solar

Supporting Documents

1. solar panel.jpg



Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Richa Sharma	rsharma@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sunil Pandit	spandit@aismv.amity.edu

Students

Sno.	Name	Email	Grade/Class
1.	Arnav Mahajan	arnav.mahajan.2001@gmail.com	10
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3.	Anvit Gupta	anvit.gupta2001@gmail.com	10
4.	Utkarsh Aggarwal	demigodslie@gmail.com	10
5.	Aryan Garg	garg.aryan@rocketmail.com	10
6.	Shreyans Murkute	smurkute2001@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

No documents uploaded by the school.

2(a)(1) How many

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

1895.00

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.

4

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

Supporting Documents

- 1. dslr 109.jpg
- 2. dslr 110.jpg
- 3. dslr 111.jpg
- 4. dslr 112.jpg
- 5. dslr 113.jpg



Task 1: Land Audit Team

Teachers

Sno.	Name	Email	
1.	Richa Sharma	rsharma@gmail.com	

Administrative staff

Sno.	Name	Email
1.	Sunil Pandit	spandit@amity.aismv.edu

Students

Sno.	Name	Email	Grade/Class
1.	Arnav Mahajan	arnav.mahajan.2001@gmail.com	10
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6.	Shreyans Murkute	smurkute@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)	5,670
Ground coverage area	1,701
Green landscaped area on-ground	300
Surface parking area	210
Play area that is paved/ concrete on ground	1,800
Play area that has grass on ground	1,701
Service Area on ground	400

Roof and terrace area	500
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,701
Total no. of floors	5
Others	59

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	23	0	23
Animals	8	6	14

Task 4: Find out if your school uses pesticides

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

Yes

Supporting Documents

- 1. native species.JPG
- 2. lelelelle.jpg
- 3. buildingplan.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Richa Sharma	rsharma1@aismv.amity.edu

Administrative staff

Sno.	Name	Email
1.	Sunil Pandit	spandit@aismv.amity.edu

Students

Sno.	Name	Email	Grade/Class
1.	Arnav Mahajan	arnav.mahajan.2001@gmail.com	10
2.	Aryan Garg	garg.aryan@rocketmail.com	10
3.	Anvit Gupta	anvit2001@gmail.com	10
4.	Utkarsh Aggarwal	demigodslie@gmail.com	10
5.	Anuj Aggarwal	anujaggarwal256@gmail.com	10
6.	Shreyans Murkute	smurkute@gmail.com	10

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	3005
Toilet flushing	1200
Personal cleaning	250
Washing clothes	0
Cooking	5
Cleaning Utensils	10
Washing Vegetables	1

Mopping floors	200
Gardening	50
Total	4721

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, Rain 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

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?	No
Are dual flush systems installed in the toilets?	No
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

Yes

Supporting Documents

- 1. FB_IMG_147947775199.jpg
- 2. Award winning project.docx
- 3. local plants.docx
- 4. Vanmahautsava.docx
- 5. Yamuna walk.docx

Task 5: Does your school harvest rainwater?

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

Yes

Does your school harvest different catchments?.

No

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, Kitchen (Cooking/Washing vegetables and utensils)

6(b)(2) Does your school have rainwater storage tank?

Yes

6(b)(2)(a) Total capacity of storage tank (litres)

1000.00

6(b)(2)(b) Total number of storage tanks

1.00

6(b)(2)(c) Location of tanks:

Over ground

6(b)(2)(d) Material options for tanks

PVC

6(c)	How much area in your school is harvested?
	31 to 40 per cent
6(d)	Please select (from the list given below) the rainwater harvesting structures present in your school
	Storage tank, Recharge structure
6(e)	Rate your catchment on cleanliness:
	Good

- 1. rainwaterharvestingpit.JPG
- 2. sprinklers.JPG
- Does your school clean your catchment and system (structure?)? Yes Please specify when does your school clean the catchment and RWH system? 6(f)(1) Pre-monsoon Does your school monitor the rainwater harvesting structure for its efficiency? 6(g) Yes Please specify when does your school monitor the groundwater level? 6(g)(1) Do not follow any such pattern What is the trend of groundwater level in your school across the year? 6(h) No change 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? 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?

24

How many hand pumps do you have?

0

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

50

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

	Girls	Boys	Common	Total
Number of toilets	25	25	0	50

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?

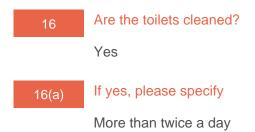
6

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

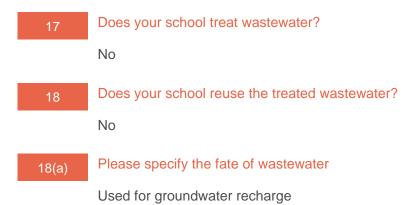
Yes

ls the water supply sufficient?

Yes



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



No documents uploaded by the school.



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Richa Sharma	rsharma1@aismv.amity.edu

Administrative staff

Sno.	Name	Email
1.	Sunil Pandit	spandit@aismv.amity.edu

Students

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5.	Anuj Aggarwal	anujaggarwal256@gmail.com	10
6.	Shreyans Murkute	smurkute2001@gmail.com	10

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. Students and teachers
- 2. Housekeeping (Sweeper)
- 3. Gardener

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
--	--------------------------------	--------	---------	-------------------------	--------------------

Classrooms	46	0	46	0	0
Playgrounds	11	0	9	2	0
Common area (e.g. reception, corridors)	6	0	6	0	0
Staffroom	2	0	1	1	0
Laboratory	8	0	3	5	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	3	0	2	1	0
Toilets	60	0	0	39	21
Others	10	0	10	0	0
Total	147	0	78	48	21

- 1. waste.JPG
- 2. wastesegregation.JPG
- 3. waste1_v.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	5
Paper	0
Plastic	01
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	0.5

Sanitary waste	30
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	46.5

- 1. waste1_v.JPG
- 2. lelelelle.jpg
- 3. policy on waste.docx

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	6
Kitchen waste	2
Paper	40
Plastic	4
Wood, glass, metal, classroom furniture	6
E-waste	0
Biomedical waste	0.5
Sanitary waste	8
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	66.5

Does your school have a composting facility?

Yes

Supporting Documents

1. Waste Audit.JPG

What is the methodology used?

Natural composting without added microbes

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

0.50

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

For horticultural purposesFor 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)









Supporting Documents

- 1. recyclingpapermachine.JPG
- 2. Paperssheder.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. waste1_v.JPG

9 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	2	2	0
Washing machines	1	1	0
Air conditioners	52	52	0
Heaters	13	13	0
Microwaves	4	4	0
Ovens	4	4	0
Toasters	2	2	0

Electric Kettles	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	99	99	0
Laptop computer (CPU, mouse, screen and keyboard included)	6	6	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	5	5	0
Copying equipment (Photocopiers)	3	3	0
Projectors	22	22	0
Whiteboards	6	6	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	16	16	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	6	6	0
Pay telephones	2	2	0
Mobiles	177	177	0
Answering systems	0	0	0

1. Ewaste pic.jpg

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

Yes

No documents uploaded by the school.

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

Authorised dismantler

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

Supporting Documents

- 1. Ewaste-3.jpg
- 2. Ewaste-4.jpg
- 3. Ewaste-1.jpg
- 4. Easte-5.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

Supporting Documents

1. Awareness Initiative.docx



FEEDBACK

Yes

1(a) If yes, then in which year did your school first participate in the GSP Audit?

2015-16

1(b) If yes, how many times have you done the audit?

1

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?

Students and Teachers support, also the support of janitors will make our school green, clean and healthy. It is necessary that every person in the school actively takes part in making the school green. Parents can also contribute in making the school green by carpooling to school. One can encourage the lunch room to avoid using plastics. Students should be encouraged to sign the Green Schools Initiative and follow the waste management policy strictly. Thanking You, Regards Amity International School, Mayur Vihar, Delhi-91

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?

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?

More than 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

How many students were involved in the activities?

10.00

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. Picture of Renewable sources of Energy
- 6. Photographs of lunch boxes
- 7. Pictures of Green Cover
- 8. Pictures of landscaped area
- 9. Building construction plan
- 10. Pictures of dustbins in classroom showing segregation at source
- 11. Pictures of playground with more than two dustbins
- 12. Picture of audit team weighing solid waste
- 13. Picture of types of solid waste generated
- 14. Pictures of recycling units composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
- 15. Pictures of housekeeping staff disposing different types of solid waste
- 16. Pictures of Electronic items used by school and storage of non-working electronic items

- 17. Waste Policy
- 18. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
- 19. Pictures of respective audit teams doing survey