



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Cambridge School Noida
Address: Sector-27, Noida, Noida, Gautam Budh
Nagar, Uttar Pradesh, India
Coordinator Name: Arpita Paul



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

Cambridge School Noida

2

Address

Sector-27, Noida, Noida, Gautam Budh Nagar, Uttar Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 120 (NUMBER) 2523645

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9810127322

5

Principal Name

Mahuya Mandal

6

GSP Coordinator Name

Arpita Paul

7

GSP Coordinator Email

quinone1978@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9810032729

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:6

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	641	664	1305
Teachers	21	55	76
Non-Teaching Staff	39	15	54
TOTAL	701	734	1435

4(b)

How many visitors visit your school

700

5

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

200

6

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

Oct, Nov

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Arpita Paul	Arpita Paul

Administrative staff

Sno.	Name	Email
1.	Surendra Sharma	
2.	Sainil	

Students

Sno.	Name	Email	Grade/Class
1.	Takshima Bhardwaj	bhardwaj.takshima@gmail.com	10
2.	Palak Kulshreshtha	palak.pk14@gmail.com	10
3.	Shubhankar Sinha		
4.	Prachi Kansal		
5.	Jyotika Tomar		
6.	Abhinav Sinha	princeroxwww@gmail.com	10

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

1 How many classrooms does your school have?

35

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)
VI (all), VII A	33.65	5.74	17.06
VII B, VII C, VII D, VII E, VIII A	33.65	5.74	17.06
VIII B, VIII C, VIII D, VIII E	39.91	5.74	14.38

IX E, XI E, XII E	70.00	5.74	8.20
XI A, XI B, XII A, XII B	39.91	3.24	8.12
XI D, XII D, XI C	35.56	6.03	16.96
IX A, IX B, IX C, IX D	35.56	6.03	16.96
X A, XB, X D, X E	47.04	5.74	12.20
X C	46.08	5.74	12.46
0	0.00	0.00	0.00
TOTAL	381.36	49.74	

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	4	0	0	5
No. of vehicles more than five years old	0	0	0	0	0
Air conditioned	1	4	0	0	5
No. of vehicles with PUC done	1	4	0	0	5
Parking area (m2)	830	0	0	0	830

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	1	0	0	0	0

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

Supporting Documents

1. Untitled 1%281%29.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
Schoool Bus	805	36	7	848
Public Bus	15	0	5	20
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	48	1	6	55
Taxi four-wheeler	82	0	0	82
Taxi three-wheeler	25	2	0	27
Personal four-wheeler	77	29	4	110
Personal two-wheeler	26	2	6	34
Bicycle	18	0	4	22
On foot	82	2	18	102
Others (non-motorised)	127	4	4	135
SUB-TOTAL	1305	76	54	1435

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

5

How many students suffer from respiratory ailments ?

20

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.	Mrs. Arpita Paul	quinone1978@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr Surinder Sharma	
2.	Mr Sainil	

Students

Sno.	Name	Email	Grade/Class
1.	Karan Sahni	sahnikaran5@gmail.com	10
2.	Tushar Walia	tusharwalia50@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. Untitled 1.pdf
2. energy.pdf
3. e 1.jpg

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
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Electricity from the board (kwh)	847.7	3051.72	1
Electricity from generator (diesel) (litres)	300	13680.00	1
Petrol (litres)	727.2	33960.24	4
Diesel (litres)	0	0.00	0
CNG (kilogrammes)	290.87	15241.59	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)	248.3714	12815.96	3,5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	2414.14	78749.51	

Supporting Documents

1. Untitled 1%281%29.pdf

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	32	6	3
Refrigerator	4	165	3
Microwave	2	21.5	3
Tube Lights	448	28	3
CFL Bulbs	20	15	3
LED Lights	12	12	3

Fans	432	50	3
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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?

25

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.	ARPITA PAUL	quinone1978@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sainil	
2.	Surinder	

Students

Sno.	Name	Email	Grade/Class
1.	ARYAN ISHAN	aryanishan1001@gmail.com	10
2.	ANAV CHAUDHARY	anav262001@gmail.com	10

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

Yes

2 Does your school serve midday meals?

No

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

Yes

Supporting Documents

1. Lunchbox.jpg

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

1273.00

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

4.00

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	3	800	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	0
Potato fries and Burgers	1	50	10
Confectionery items (chocolate, candies, gums)	1	300	10
Ice-cream	15	75	10
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	4	200	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	1	100	10
Packaged/Bottled Energy Drinks	0	0	0

No documents uploaded by the school.

4 Does your school serve traditional Indian snacks?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	120
Idli/vada and sambhar	0
Pav bhaji	175
Momos	0
Others	0

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

chole bhature , chowmin , rajma chawal

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?

Yes

7(a) Please provide the names?

Cakes , chocolates , chips , juice , chocolate doughnut

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

No

Supporting Documents

1. audit team.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Arpita Paul	quinone1978@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Surinder Sharma	
2.	Mr. Sainil	

Students

Sno.	Name	Email	Grade/Class
1.	Chirag Chakraborty	chiragrockz20@gmail.com	10
2.	Surabhi Jha	roshella14.lm@gmail.com	10
3.	Chirag Kumar		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)	44,515
Ground coverage area	2,369
Green landscaped area on-ground	14,067
Surface parking area	830
Play area that is paved/ concrete on ground	1,179
Play area that has grass on ground	25,260
Service Area on ground	125
Roof and terrace area	2,369
Green cover on exposed roof & terrace	0

Total built up/constructed area	44,515
Total no. of floors	2
Others	90

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	77	32	109
Animals	25	6	31

Task 4: Find out if your school uses pesticides

4

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

Yes

Supporting Documents

1. land 2.jpg
2. land 3.jpg
3. reception.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	ms. arpita paul	quinone1978@gmail.com

Administrative staff

Sno.	Name	Email
1.	mr. surinder sharma	
2.	mr. sanil	

Students

Sno.	Name	Email	Grade/Class
1.	aditi singhal	meethisinghal@yahoo.in	10
2.	yashraj deshमुख		
3.	prachi kansal		
4.	daksh gupta		

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	250
Toilet flushing	700
Personal cleaning	5
Washing clothes	20
Cooking	110
Cleaning Utensils	55
Washing Vegetables	2
Mopping floors	180

Gardening	230
Total	1552

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

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?	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

Supporting Documents

1. water 1.jpg
2. water.jpg

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).

3795540

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?	No
Are the toilets accessible and safe to use for differently abled staff (teaching and non-teaching)?	No
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?

15

9 How many hand pumps do you have?

0

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

63

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

	Girls	Boys	Common	Total
Number of toilets	14	18	0	32

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

81

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

3

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?

Yes

18 Does your school reuse the treated wastewater?

Yes

18(a) How does your school reuse wastewater?

Flushing

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Ms. Arpita Paul	quinone1978@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Surinder Sharma	
2.	Mr. Sainil	

Students

Sno.	Name	Email	Grade/Class
1.	Armaan Bhardwaj	armaanbhardwaj23@gmail.com	10
2.	Purnachi Chadha		10
3.	Abhinav Sinha	princeroxxxxx@gmail.com	10
4.	Anavi Birla		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. Ragpicker

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	35	35	0	0	0
Playgrounds	3	0	0	0	3

Common area (e.g. reception, corridors)	10	0	0	0	10
Staffroom	4	0	0	0	4
Laboratory	12	0	0	0	12
Canteen	2	0	2	0	0
Clinic/ Sick room	2	0	2	0	0
Library	2	0	2	0	0
Toilets	3	0	0	0	3
Others	4	0	0	0	4
Total	77	35	6	0	36

Supporting Documents

1. waste 1.jpg
2. Waste 2.jpg
3. waste 3.jpg
4. waste.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	1200000
Kitchen waste	600000
Paper	20000
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	850
Biomedical waste	500
Sanitary waste	500

Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1821850

No documents uploaded by the school.

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	1200000
Kitchen waste	600000
Paper	20000
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	500
Biomedical waste	500
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	1821000

5

Does your school have a composting facility?

Yes

Supporting Documents

1. IMG-20151118-WA0027.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)?

1,200,000.00

5c

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

For horticultural purposesFor 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)	✗	✗	✗	✓

No documents uploaded by the school.

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)

No documents uploaded by the school.

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	3	3	0
VCR or DVD players	0	0	0
Refrigerators and freezers	3	3	0
Washing machines	0	0	0
Air conditioners	25	25	0
Heaters	10	10	0
Microwaves	4	4	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	120	120	0
Laptop computer (CPU, mouse, screen and keyboard included)	2	2	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	12	12	0
Copying equipment (Photocopiers)	2	2	0
Projectors	3	3	0
Whiteboards	5	5	0

Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	6	6	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	25	25	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

No documents uploaded by the school.

11

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

No

Task 6: School's initiatives

12

Does the school have a policy on waste?

Yes

Policy document

POLICY FOR REDUCING WASTE 2 %281%29.doc

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 extracurricular activities such as guest lectures

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. Supporting Document.doc



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?

2013

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?

installation of solar panels,water harvesting system

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?

Once

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?

27.00

Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Photographs of lunch boxes
4. Traditional food items sold in canteen
5. Pictures of Green Cover
6. Pictures of landscaped area
7. Pictures of playground with more than two dustbins
8. Picture of audit team weighing solid waste
9. Picture of types of solid waste generated
10. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
11. Pictures of housekeeping staff disposing different types of solid waste
12. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
13. Pictures of respective audit teams doing survey