



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** ARMY PUBLIC SCHOOL DELHI CANTT  
**Address:** SADAR BAZAR ROAD, DELHI CANTT,  
NEW DELHI, DELHI, Delhi, India  
**Coordinator Name:** Mrs. M. Hemalatha Srinivas



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**

ARMY PUBLIC SCHOOL DELHI CANTT

2

**Address**

SADAR BAZAR ROAD, DELHI CANTT, NEW DELHI, DELHI, Delhi, India

3

**Telephone Number (Landline Number with STD code)**

(ISD) 91 (STD) 11 (NUMBER) 25693777

4

**Mobile Number (Mobile Number with STD code)**

(ISD) 91 (Number) 9971378168

5

**Principal Name**

Mrs. Neetu Kapoor

6

**GSP Coordinator Name**

Mrs. M. Hemalatha Srinivas

7

**GSP Coordinator Email**

hemalatha.srinivas@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9868895501

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	2083	1240	3323
Teachers	12	118	130
Non-Teaching Staff	14	3	17
TOTAL	2109	1361	3470

4(b)

How many visitors visit your school

5

5

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, Nov

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Hemalatha Srinivas	Mrs. Hemalatha Srinivas
3.	Ms. Garima	garima.25891@yahoo.in

#### Administrative staff

Sno.	Name	Email
1.	Mr. Suresh	apsdelhicantt@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Ravikant	Ravikantsingh0308@gmail.com	10
2.	Vipul	vipulsinghraghav511@gmail.com	12
3.	Aakash		

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

1 How many classrooms does your school have?

108

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 I Section A	48.38	33.24	68.71
Class II Section C	48.38	33.24	68.71
Class III Section D	48.38	33.24	68.71
Class IV Section D	48.37	33.24	68.71
Class V Section B	52.41	32.32	61.67
Class VI Section C	52.41	32.32	61.67

Class VII Section A	52.41	32.32	61.67
Class VIII Section D	52.41	32.32	61.67
Class IX Section A	45.70	34.70	75.93
Class X Section E	45.70	34.70	75.93
<b>TOTAL</b>	<b>494.55</b>	<b>331.64</b>	

### 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	1	1	2	5
No. of vehicles more than five years old	1	1	1	2	5
Air conditioned	0	1	0	0	1
No. of vehicles with PUC done	1	1	1	2	5
Parking area (m2)	238	14672	18	1259	16187

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	1	0	0
Van	0	0	0	1	0	0
Other vehicles	0	0	0	2	0	0

SUB-TOTAL	0	0	0	5	0	0
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### Supporting Documents

1. E bill.jpg
2. electricity 2.jpg

## 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	2276	8	0	2284
Public Bus	171	7	4	182
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	97	38	2	137
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	21	0	0	21
Personal four-wheeler	0	70	0	70
Personal two-wheeler	0	9	5	14
Bicycle	158	0	2	160
On foot	348	0	2	350
Others (non-motorised)	248	0	4	252
SUB-TOTAL	3319	132	19	3470

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

5

How many students suffer from respiratory ailments ?

14

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. Hemalatha Srinivas	hemalatha.srinivas@gmail.com
2.	Ms. Rajini Sharma	rajini_sha_gemini@yahoo.com
3.	Ms. Garima	garima.25891@yahoo.in

#### Administrative staff

Sno.	Name	Email
1.	Mr. Rhothash	rhothash@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Ananya	ananya.p@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. electricity bills.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
Electricity from the board (kwh)	1124	4046.40	1,2,5



Electricity from generator (diesel) (litres)	18	820.80	1,2,5
Petrol (litres)	12	560.40	1,2
Diesel (litres)	10	456.00	1,2
CNG (kilogrammes)	28	1467.20	1,2
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)	2	7.20	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	56	2889.60	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1250.00	10247.60	

## Supporting Documents

1. E bill.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	11	1.5	3
Refrigerator	2	165	3
Microwave	0	0	0
Tube Lights	884	25	0
CFL Bulbs	32	10	0
LED Lights	5	10	0
Fans	560	25	0

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?

175

6

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

Yes

6(a)

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

Solar

No documents uploaded by the school for energy chapter.



## FOOD

### Task 1: Food Audit Team

#### Teachers

Sno.	Name	Email
1.	Mrs. Hemalatha Srinivas	hemalatha.srinivas@gmail.com
2.	Ms. Rajini Shara	rajini_sha_gemini@yahoo.com
3.	Ms. Garima	garima.25891@yahoo.in

#### Administrative staff

Sno.	Name	Email
1.	Nil	Nil

#### Students

Sno.	Name	Email	Grade/Class
1.	Ravikant	ravikant@gmail.com	10
2.	Vipul	vipulsinghraghav511@gmail.com	12

### 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

No documents uploaded by the school.

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

2835.00

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

18.00

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	6	1842	1,2,3,4,5,7,8,9,10,11,12
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	1	1	1,2
Potato fries and Burgers	1	600	1,2,3,4,7,8
Confectionery items (chocolate, candies, gums)	4	1795	1,2,3,4,5,7,8,9,10,11,12
Ice-cream	8	886	4,5,7,8,9,10
Carbonated beverages	1	1	1,2
Sugar sweetened noncarbonated beverages	2	317	4,5,6,7,8,9
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	1	311	4,5,6,8,9
Packaged/Bottled Energy Drinks	1	1	1,2

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	118
Idli/vada and sambhar	71
Pav bhaji	54
Momos	0
Others	75

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

iddli, sambar, puri chole, samosa

5 Does your school serve traditional Indian beverages?

Yes

5(a) Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	71
Sweet lassi	42
Salted butter milk	46
Aam Panna	0
Others	0

#### 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

Fruit Juice, Sandwich or Samosa

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. canteen 2.jpg
2. survey-gsp.jpg
3. foodscarcity-1.jpg
4. foodscarcity-principalspeech.jpg
5. canteen.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Hemalatha Srinivas	Hemalatha.srinivas@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Suresh	Suresh@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Ayush	Ayush.rai@gmail.com	11
2.	Ravikant	Ravikantsingh0308@gmail.com	10
3.	Anish	anishsardarat2001@gmail.com	10

### 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 <sup>2</sup> )	50,545
Ground coverage area	1,678
Green landscaped area on-ground	24,809
Surface parking area	16,187
Play area that is paved/ concrete on ground	685
Play area that has grass on ground	8,316
Service Area on ground	366
Roof and terrace area	1,678
Green cover on exposed roof & terrace	0
Total built up/constructed area	3,356

Total no. of floors	2
Others	0

### 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	357	0	357
Animals	37	0	37

### 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. garden 2.jpg
2. greenery.jpg
3. garden.jpg
4. green-a.jpg
5. greencover-2.jpg





## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Hemalatha Srinivas	Hemalatha.srinivas@gmail.com
2.	Rajini Sharma	Rajini_sha_gemini@yahoo.com
3.	Garima	Garima.25891@yahoo.in

#### Administrative staff

Sno.	Name	Email
1.	Suresh	apsdelhicantt@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Anish	Anishsardarat2001@gmail.com	10
2.	Ravikant Singh	Ravikantsingh0308@gmail.com	10

### 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	1800
Toilet flushing	840
Personal cleaning	580
Washing clothes	55
Cooking	55
Cleaning Utensils	65
Washing Vegetables	10
Mopping floors	125
Gardening	470

Total	4000
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### 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?	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?	No
Any other step taken for water conservation? (if Yes, please specify)	Yes

### Supporting Documents

1. water-2.jpg
2. water-3.jpg
3. H washing taps 2.jpg
4. H washing taps.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).

15486692

### 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?

26

9

How many hand pumps do you have?

0

10

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

105

11

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

	Girls	Boys	Common	Total
Number of toilets	50	50	02	102

12

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

102

13

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

4

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

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?

Yes

18(a)

How does your school reuse wastewater?

Gardening

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Hemalatha Srinivas	Hemalatha.srinivas@gmail.com
2.	Rajini Sharma	rajini_sha_gemini@yahoo.com
3.	Garima	garima.25891@yahoo.in

#### Administrative staff

Sno.	Name	Email
1.	Nil	nil

#### Students

Sno.	Name	Email	Grade/Class
1.	Ravikant Singh	ravikantsingh0308@gmail.com	10
2.	Anish sardar	Anishsardarat2001@gmail.com	10
3.	Akash	lovekush.lk758@gmail.com	10

### 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 Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	108	0	105	3	0
Playgrounds	10	0	4	6	0

Common area (e.g. reception, corridors)	17	0	15	2	0
Staffroom	15	0	5	10	0
Laboratory	15	0	5	10	0
Canteen	3	0	1	2	0
Clinic/ Sick room	2	0	1	1	0
Library	3	0	1	2	0
Toilets	26	0	25	1	0
Others	7	0	5	2	0
Total	206	0	167	39	0

### Supporting Documents

1. cleaning 2.jpg
2. Dustbin 2.jpg
3. Dustbin.jpg
4. dustbins-2.jpg
5. waste-1.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	12
Kitchen waste	2
Paper	28.5
Plastic	7
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	0.5

Sanitary waste	12
Construction and Demolition (C & D) waste	225
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	292

### Supporting Documents

1. waste-1.jpg
2. cleaning 2.jpg
3. Dustbin 2.jpg
4. dustbins-2.jpg

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

4 Does your school recycle any generated waste?

No

5 Does your school have a composting facility?

No

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)

### Supporting Documents

1. waste-1.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	1	1	0
Refrigerators and freezers	2	2	0
Washing machines	2	1	1
Air conditioners	14	14	0
Heaters	12	12	0
Microwaves	1	1	0
Ovens	13	13	0



Toasters	0	0	0
Electric Kettles	13	13	0
Personal computers (CPU, mouse, screen and keyboard included)	154	146	8
Laptop computer (CPU, mouse, screen and keyboard included)	2	2	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	16	13	3
Copying equipment (Photocopiers)	2	2	0
Projectors	20	20	0
Whiteboards	20	20	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	12	12	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	3	3	0
Pay telephones	0	0	0
Mobiles	0		
Answering systems	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?

No

13

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

Yes

**Supporting Documents**

1. debate-1.jpg
2. foodscarcity-1.jpg
3. foodscarcity-2.jpg
4. ground 2.jpg
5. foodscarcity-principalspeech.jpg

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. E principal office.jpg
2. principal.jpg
3. Dustbin.jpg
4. canteen 2.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?

2015-16

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?

To install Rainwater 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?

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?

15.00

### Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Traditional food items sold in canteen
4. Pictures of Green Cover
5. Pictures of landscaped area
6. Pictures of dustbins in classroom showing segregation at source
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 housekeeping staff disposing different types of solid waste
11. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
12. Pictures of respective audit teams doing survey