



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: The Pinnacle School
Address: D-Block Panchsheel Enclave, New Delhi
110017, New Delhi 110017, New Delhi,
South Delhi, Delhi, India
Coordinator Name: Mrs. Priyanka Mahajan



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

The Pinnacle School

2

Address

D-Block Panchsheel Enclave, New Delhi 110017, New Delhi 110017, New Delhi, South Delhi, Delhi, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 11 (NUMBER) 26490952

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 26490952

5

Principal Name

Mrs. Jasmeet Kaur

6

GSP Coordinator Name

Mrs. Priyanka Mahajan

7

GSP Coordinator Email

priyankamjn123@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9811560809

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	567	400	967
Teachers	7	50	57
Non-Teaching Staff	22	6	28
TOTAL	596	456	1052

4(b) How many visitors visit your school

2

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?

July, Aug, Sep, Oct, Nov

7 Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Priyanka Mahajan	Priyanka Mahajan

Administrative staff

Sno.	Name	Email
1.	Dhanpal sir	
2.	Pankaj sir	
3.	Biju sir	
4.	Sanjeev sir	

Students

Sno.	Name	Email	Grade/Class
1.	Jatin Singh		10
2.	Jagriti Dutta		7
3.	Sylveen Kaur		7

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

1 How many classrooms does your school have?

30

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 PP section 2	33.20	4.15	12.49
Class PP section 1	33.20	4.15	12.49
Class 4 section B	32.35	4.98	15.38
Class 5 section A	31.55	4.98	15.77
Class 6 section A	35.53	6.92	19.48

Class 7 section C	31.55	4.98	15.77
Class 8 section A	35.53	6.92	19.48
Class 9 section A	36.98	6.63	17.93
Class 10 section A	32.35	4.98	15.38
Class 11	36.97	6.63	17.93
TOTAL	339.22	55.31	

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	2	0	0	0	2
No. of vehicles more than five years old	2	0	0	0	2
Air conditioned	0	0	0	0	0
No. of vehicles with PUC done	2	0	0	0	2
Parking area (m2)	24.272	0	0	0	24.272

Supporting Documents

1. Air 1.JPG
2. Air 2.JPG

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	0	0	0	2	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	2	0	0

Supporting Documents

1. Air 1.JPG
2. Air 3.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	91	22	0	113
Public Bus	9	12	14	35
School Transport(Other than bus)	540	16	0	556
Public transport (other than bus, Metro, car pool)	7	0	8	15
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	285	2	0	287
Personal two-wheeler	2	1	0	3
Bicycle	6	0	4	10
On foot	27	4	2	33
Others (non-motorised)	0	0	0	0
SUB-TOTAL	967	57	28	1052

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

5

How many students suffer from respiratory ailments ?

3

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.	Priyanka Mahajan	priyankamjn123@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dhanpal sir	
2.	Pankaj sir	
3.	Biju sir	
4.	Sanjeev sir	

Students

Sno.	Name	Email	Grade/Class
1.	Om Besoya		9
2.	Shivanya Soni		10
3.	Hardik Taneja		8

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. Energy 2.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)	1728	6220.80	1
Electricity from generator (diesel) (litres)	70	3192.00	1
Petrol (litres)	200	9340.00	4
Diesel (litres)	20	912.00	1
CNG (kilogrammes)	450	23580.00	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)	117	421.20	1
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	28	1444.80	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	2613.00	45110.80	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	13	1.5	2
Refrigerator	3	200	3
Microwave	2	15	0
Tube Lights	70	40	2
CFL Bulbs	15	15	3
LED Lights	0	0	0

Fans	80	60	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?

300

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

Supporting Documents

1. energy 1.JPG



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Priyanka Mahajan	priyankamjn123@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dhanpal sir	
2.	Pankaj sir	
3.	Sanjeev sir	
4.	Biju sir	

Students

Sno.	Name	Email	Grade/Class
1.	Tushar Kalra		10
2.	Archit Taneja		9
3.	Yash Kapoor		8
4.	Yash Rawat		7

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. Food 4.JPG
2. Food 5.JPG

3. Food 3.JPG

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

924.00

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

43.00

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?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	50
Idli/vada and sambhar	50
Pav bhaji	100
Momos	0
Others	30

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

Chole kulche are served. Occasionally, bread pakoras are also served. Others include: chole bhature, thali, gulab jamun, bhel puri, dhokla, chat papdi, vada pao, dahi/curd/yogurt, etc.

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	100
Sweet lassi	100
Salted butter milk	60
Aam Panna	50
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

Frooti, fruits, curd and one sweet dish(curd)

7

Does the school distribute chocolates/similar products as refreshments during schools events?

Yes

7(a) Please provide the names?

Chocolate (munch/perk)

8

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

No

Supporting Documents

1. Food 1.JPG
2. Food 2.JPG
3. Food Policy.pdf



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Priyanka Mahajan	priyankamjn123@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dhanpal sir	
2.	Pankaj sir	
3.	Biju sir	
4.	Sanjeev sir	

Students

Sno.	Name	Email	Grade/Class
1.	Aditya Kukreja		10
2.	Vanshika Nakul		9
3.	Jasreet Kaur Bhatia		7

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)	4,114
Ground coverage area	1,971
Green landscaped area on-ground	1,404
Surface parking area	24
Play area that is paved/ concrete on ground	572
Play area that has grass on ground	80
Service Area on ground	61

Roof and terrace area	2,057
Green cover on exposed roof & terrace	0
Total built up/constructed area	6,170
Total no. of floors	3
Others	61

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	50	7	57
Animals	7	3	10

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. Land 1.JPG
2. Land 2.JPG
3. Land 3.jpg
4. Land 4.JPG
5. List of botanical names of plants.docx



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Priyanka Mahajan	priyankamjn123@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dhanpal sir	
2.	Pankaj sir	
3.	Biju sir	
4.	Sanjeev sir	

Students

Sno.	Name	Email	Grade/Class
1.	Karan Uppal		10
2.	Sahib Mehra		8
3.	Akriti Bangwal		9
4.	Sona Varshney		9

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	700
Toilet flushing	1400
Personal cleaning	0
Washing clothes	100
Cooking	25
Cleaning Utensils	50
Washing Vegetables	5

Mopping floors	250
Gardening	200
Total	2730

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, Rain water

3 Who supplies the water in your school?

Municipality, School's own supply (bore well, rainwater harvesting facility, etc)

4 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?

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?	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?	No

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

Yes

Supporting Documents

1. water 2.jpg
2. water 3.JPG
3. Water 4.JPG
4. Water 5.JPG
5. Water Policy.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?

Rooftop + Paved + Unpaved

6(b)

How does your school harvest rainwater?

By recharging groundwater

6(b)(1)

Does your school have groundwater recharge structure?

No

6(c)

How much area in your school is harvested?

51 to 60 per cent

6(d)

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

Recharge structure

6(e)

Rate your catchment on cleanliness:

Good

Supporting Documents

1. Water 1.JPG

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?

No change

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?

No

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?

8

9 How many hand pumps do you have?

0

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

22

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

	Girls	Boys	Common	Total
Number of toilets	5	5	0	10

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

12

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

33

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

Once 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?

Gardening

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Priyanka Mahajan	priyankamjn123@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dhanpal sir	
2.	Pankaj sir	
3.	Biju sir	
4.	Sanjeev sir	

Students

Sno.	Name	Email	Grade/Class
1.	Quincy Sadh		10
2.	Manav Madnani		10
3.	Pratishtha Sharma		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. Students and teachers
2. Housekeeping (Sweeper)
3. Gardener

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	2	0	0	2	0
Playgrounds	3	0	0	0	3
Common area (e.g. reception, corridors)	3	0	0	0	3
Staffroom	2	0	0	2	0
Laboratory	2	0	0	2	0
Canteen	2	0	0	2	0
Clinic/ Sick room	2	0	0	2	0
Library	2	0	0	2	0
Toilets	2	0	0	2	0
Others	1	0	1	0	0
Total	21	0	1	14	6

Supporting Documents

1. Waste 2.JPG
2. Waste 8.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	50
Kitchen waste	10
Paper	20
Plastic	5
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	10
Sanitary waste	5

Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	100

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	50
Kitchen waste	0
Paper	20
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	10
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	80

5

Does your school have a composting facility?

Yes

No documents uploaded by the school.

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)?

60.00

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)

Supporting Documents

1. Waste 1.JPG
2. Waste 3.JPG
3. Waste 4.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	1	1	0
VCR or DVD players	2	2	0
Refrigerators and freezers	3	3	0
Washing machines	0	0	0
Air conditioners	13	13	0
Heaters	0	0	0
Microwaves	2	2	0
Ovens	2	2	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	48	48	0
Laptop computer (CPU, mouse, screen and keyboard included)	4	4	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	9	9	0

Copying equipment (Photocopiers)	1	1	0
Projectors	3	3	0
Whiteboards	2	2	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	8	8	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	15	15	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

Supporting Documents

1. Waste 9.JPG

11

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?

Kabadiwalla/ Scrapdealer

Task 6: School's initiatives

12

Does the school have a policy on waste?

Yes

Policy document

Waste Policy.png

13

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

Yes

Supporting Documents

1. Waste 5.JPG
2. waste 6.JPG
3. Waste 7.JPG

13a

What form do these awareness drives take?

As part of the curriculum , As part of extracurricular activities such as guest lectures , By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. Waste 10.JPG
2. Waste 11.JPG
3. Waste 12.JPG
4. Waste 13.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?

2007

1(b)

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

8

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?

More solar lights, paper recycling machines, solar water heaters, instrument to check ground water level,

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	Average

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?

20.00

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 types of solid waste generated
13. Pictures of housekeeping staff disposing different types of solid waste
14. Pictures of Electronic items used by school and storage of non-working electronic items
15. Waste Policy
16. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
17. Pictures of respective audit teams doing survey