

Responses for Green Schools Programme Audit 2016

School Name: Delhi Public School, Mandla Road

Address: Pipariyakala Near TFRI, Jabalpur,

jabalpur, Jabalpur, Madhya Pradesh, India

Coordinator Name: Sreedevi Rajendran



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
---	------	--------	----------	--------------------

Delhi Public School, Mandla Road

2 Address

Pipariyakala Near TFRI, Jabalpur, jabalpur, Jabalpur, Madhya Pradesh, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 761 (NUMBER) 2840601

4 Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9425863727

5 Principal Name

Mrs Aparna Choubey

6 GSP Coordinator Name

Sreedevi Rajendran

GSP Coordinator Email

dpsmandlaroad@gmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 9424781456

g Category Of The School

Day Scholar + Residential

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	1133	455	1588
Teachers	18	55	73
Non-Teaching Staff	5	10	15
TOTAL	1156	520	1676

4(b) How many visitors visit your school

10

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

235

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

Jan, Feb, March, April, July, Aug, Sep, Oct, Nov, Dec

Where is the school located?

Rural Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Sreedevi Rajendran	Sreedevi Rajendran
2.	Rozy Tabassum	rozy_jia@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Aparna Choubey	dpsmandla@gmail.com
2.	vinay sharma	dpsmandla@gmail.com
3.	Rajesh Tripathi	dpsmandla@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Punishk Handa	punishkhanda@gmail.com	10
2.	Sameer ranjan	sameerranjan2001@rediffmail.com	10
3.	Priyanshu Pridarshi	ahirwarsantosh123@gmail.com	10
4.	Nirnay jaiswal	njaiswal0812@gmail.com	10
5.	Aditya Vij	adityavijj@hotmail.com	10

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

How many classrooms does your school have?

79

 $\label{thm:constraint} \mbox{Window-floor ratio of classrooms in the school.}$

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)
1a	116.76	36.00	30.83
1b	116.76	36.00	30.83
1c	116.76	36.00	30.83

1d	116.76	36.00	30.83
library	141.96	72.00	50.72
6 a,	116.76	36.00	30.83
6b	116.76	36.00	30.83
6c	116.76	36.00	30.83
6d	116.76	36.00	30.83
10 a	116.76	36.00	30.83
TOTAL	1,192.80	396.00	

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	18	2	00	3	23
No. of vehicles more than five years old	10	00	00	1	11
Air conditioned	00	2	00	00	2
No. of vehicles with PUC done	18	2	00	3	23
Parking area (m2)	2500	400	00	280	3180

Supporting Documents

1. New Microsoft Office Word Document.docx

Specify the type of fuel used by your school vehicles:

Dies	el Petrol	LPG	CNG	Electric	Hybrid
------	-----------	-----	-----	----------	--------

Bus	18	00	00	00	00	00
Car	2	00	00	00	00	00
Van	00	00	00	00	00	00
Other vehicles	3	00	00	00	00	00
SUB-TOTAL	23	0	0	0	0	0

1. bus.docx

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	1352	61	1	1414
Public Bus	00	00	00	0
School Transport(Other than bus)	24	3	00	27
Public transport (other than bus, Metro, car pool)	00	00	00	0
Taxi four-wheeler	00	00	00	0
Taxi three-wheeler	00	00	00	0
Personal four-wheeler	2	4	1	7
Personal two-wheeler	00	5	5	10
Bicycle	00	00	00	0
On foot	210	00	8	218
Others (non-motorised)	00	00	00	0
SUB-TOTAL	1588	73	15	1676

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

How many students suffer from respiratory ailments?

4

Does the school laboratory have air quality monitoring equipment?

No

No documents uploaded by the school.

If No, is there an air quality monitoring station (private or government) close to your school?



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	Rajeev mukherje	rojiv.mukherjee@gmail.com
2.	Sreedevi Rajendran	navvi1975@gmail.com
3.	Upendra Dubey	dpsmandlroad@gmail

Administrative staff

Sno.	Name	Email
1.	Rajesh Tripathi	dpsmandlaroad@gmail
2.	P.V.Devdas	dpsmandlaroad@gmail

Students

Sno.	Name	Email	Grade/Class
1.	Risha Jain	jainrisha25@gmail.com	9
2.	Abhishek Lodhi	abhisheklodhidev@gmail.com	9
3.	Apsara Tyagi	saundryat@gmail.com	9
4.	Pavan Gupta	dpsmandlaroad@gmail.com	12
5.	Yagnesh nigam	yagneshsushil@gmail.com	9
6.	Yash Shrivastava	dpsmandlaroad@gmail.com	9

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. HT_Electricity_Bill_OCT-2016_.pdf

Does your school have its own vehicles?

Yes

	Quantity consumed/monthly average	Energy consumed in Megajoules (MJ)	Type of use
Electricity from the board (kwh)	11625	41850.00	1,5
Electricity from generator (diesel) (litres)	100	4560.00	1,5
Petrol (litres)	00	0.00	00
Diesel (litres)	3934	179390.40	4
CNG (kilogrammes)	00	0.00	00
Kerosene (litres)	00	0.00	00
Coal (kilogrammes)	00	0.00	00
Wood (kilogrammes)	00	0.00	0000
Animal waste (kilogrammes)	00	0.00	00
Solar (kwh)	00	0.00	00
Wind (kwh)	00	0.00	00
LPG (kilogrammes)	00	0.00	00
Piped Natural Gas (kilogrammes)	00	0.00	00
TOTAL	15659.00	225800.40	

1. HT_Electricity_Bill_OCT-2016_.pdf

	Number	Size	BEE Star Rating
Air Conditioners	6	1	3
Refrigerator	1	165	2
Microwave	00	00	00
Tube Lights	155	40	2
CFL Bulbs	15	15	2
LED Lights	100	10	3
Fans	354	50	3

No documents uploaded by the school.

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



245

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.	MridulaJaiswal	mridula13shona@gmail.com
2.	Rashmi Panicker	reshu290675@gmail.com
3.	Amita Ravi	amitaravimohansairam@gmail.com

Administrative staff

Sno.	Name	Email
1.	Rajesh Tripathi	dpsmandlaroad@gmail.com
2.	P.v.Devdas	dpsmandlaroad@gmail.com
3.	Santosh Katare	dpsmandlaroad@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Krishna Awasthi	gunjan3373@gmail.com	4
2.	Shreyash Singh	singhanuj2yahoo.com	4
3.	Shivang Gulati	shvetagulati.17@gmail.com	7
4.	Simar Anand	sunny28us@yahoo.com	8
5.	Sakshi Mishra	lov_m@yahoo.com	6
6.	Pratha Dewangan	chaitanya_dewangan@yahoo.com	5
7.	Abhishek Parihar	shiprasinghparihar@gmail.com	5

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

1. New Microsoft Office Word Document.docx

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

1378.00

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	2	500	11
Instant Noodles like Knorr, Cup-a- noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	00	00	00
Potato fries and Burgers	00	00	00
Confectionery items (chocolate, candies, gums)	00	00	00
Ice-cream	00	00	00
Carbonated beverages	00	00	00
Sugar sweetened noncarbonated beverages	00	00	00
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	2	150	11

1. New Microsoft Office Word Document %282%29.docx

Does your school serve traditional Indian snacks?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	2
Idli/vada and sambhar	3
Pav bhaji	4
Momos	0
Others	3

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

Hardly any

Does your school serve traditional Indian beverages?

Yes

5(a) Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	1
Sweet lassi	0
Salted butter milk	1
Aam Panna	0
Others	2

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. DSCN2905.JPG



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Sreedevi Rajendran	navvi1975@gmail.com
2.	Anil Bhatt	myra971bhatt@gmail.com
3.	Sunanda Yadav	sunyadav310@gmail.com

Administrative staff

Sno.	Name	Email
1.	Rajesh Tripathi	dpsmandlaroad@gmail.com
2.	Vinay Sharma	dpsmandlaroad@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sameer Ranjan	sameerranjan2001@rediffmail.com	10
2.	Punishk Handa	punishkhanda@gmail.com	10
3.	Priyanshu priyadarshi	ahirwarsantosh123@gmail.com	10
4.	Aryan Ayushkar	ayush20112001@gmail.com	10
5.	Anubhav jaiswal	ajbanni@gmail.com	10
6.	Kanishk Singh	21mahimasingh@gmail.com	10
7.	Divyansh Sharma	rushduivyansh@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)	46,538
Ground coverage area	4,576
Green landscaped area on-ground	9,614
Surface parking area	3,180

Play area that is paved/ concrete on ground	4,811
Play area that has grass on ground	5,000
Service Area on ground	296
Roof and terrace area	4,343
Green cover on exposed roof & terrace	0
Total built up/constructed area	4,160
Total no. of floors	1
Others	0

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	15	00	15
Animals	25	00	25

Task 4: Find out if your school uses pesticides

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

No

Supporting Documents

- 1. New Microsoft Office Word Document %282%29.docx
- 2. land.docx



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Rashmi Panicker	reshu290675@gmail.com
2.	Mridula Jaiswal	mridula13shona@gmail.com
3.	Anshu Arora	dpsmandlaroad@gmail.com

Administrative staff

Sno.	Name	Email
1.	Rajesh Tripathi	dpsmandlaroad@gmail.com
2.	VinaySharma	dpsmandlaroad@gmail.com
3.	Paritosh Mondal	dpsmandlaroad@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Shaolin Prajapati	satyasatya005@gmail.com	5
2.	HoshitaSharma	premkumarsharma993@gmail.com	5
3.	Abhishek Yadav	sanju.yadav6710@gmail.com	5
4.	Dhruvi Mishra	pravitamishra@gmail.com	5
5.	Chaitnya Sharma	premkumarsharma993@gmail.com	8
6.	Abhishek Rajesh	abhishekrajesh03@gmail.com	7
7.	Vitthal tTwari	abha.tiwari2010@gmail.com	5
8.	Aditya Singh	aditya.dps553@gmail.com	5

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	2325
Toilet flushing	8520
Personal cleaning	2526

Washing clothes	8200
Cooking	1900
Cleaning Utensils	8000
Washing Vegetables	1300
Mopping floors	1900
Gardening	8500
Total	43171

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?	No
If your school has an eco-club, do they have water component?	No
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)	No

1. rally.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

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?

10 to 20 per cent

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

Storage tank

Rate your catchment on cleanliness:

Poor

No documents uploaded by the school.

6(f)	Does your school clean your catchment and system (structure?)?
	No
6(g)	Does your school monitor the rainwater harvesting structure for its efficiency?
	No
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?

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?

How many hand pumps do you have?

U

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

64

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

	Girls	Boys	Common	Total
Number of toilets	42	46	00	88

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

21

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

8

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

More than twice a day

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

Does your school treat wastewater?

No

Does your school reuse the treated wastewater?

No

18(a) Please specify the fate of wastewater

Wastewater flows directly to the drains

No documents uploaded by the school.



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email	
1.	Satyam mishra	satyammm64@gmail.com	
2.	Sreedevi Rajendran	navvi1975@gmail.com	
3.	Sanjay Mulherjee	sanjay.mukerjee@outlook.com	

Administrative staff

Sno.	Name	Email
1.	Aparna Choubey	dpsmandlaroad@gmail.com
2.	Vinay sharma	dpsmandlaroad@gmail.com
3.	Paritosh mandal	dpsmandlaroad@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ashutosh Pandey	hsp3156@gmail.com	10
2.	Sanskar Singh	sanskar316singh@gmail.com	10
3.	Anupam Dwivedi	dpsmandlaroad@gmail.com	10
4.	Mehar Sachetan Singh	meharsachetansingh@gmail.com	10
5.	Anurag kumar	anil.kumar98270@gmail.com	10
6.	Shubhansh agrawal	shubhanshagrawal2001@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. 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	1	00	1	00	00
Playgrounds	1	00	1	00	00
Common area (e.g. reception, corridors)	2	00	2	00	00
Staffroom	1	00	1	00	00
Laboratory	0	00	0	00	00
Canteen	4	00	2	00	2
Clinic/ Sick room	1	00	1	00	00
Library	1	00	1	00	00
Toilets	3	00	2	1	00
Others	7	00	4	3	00
Total	21	0	15	4	2

1. waste1.docx

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	300
Kitchen waste	1800
Paper	210
Plastic	50
Wood, glass, metal, classroom furniture	150
E-waste	10
Biomedical waste	00

Sanitary waste	65
Construction and Demolition (C & D) waste	00
Hazardous waste	00
Total Generated Solid Waste (in kilogram)	2585

No documents uploaded by the school.

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

Does your school recycle any generated waste?

No

Does your school have a composting facility?

Yes

Supporting Documents

1. waste.docx

What is the methodology used?

Natural composting without added microbes

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

250.00

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. IMG-20161117-WA0047.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)

No documents uploaded by the school.

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	0	00	00
VCR or DVD players	2	2	0

Refrigerators and freezers	2	1	1
Washing machines	0	00	00
Air conditioners	12	6	6
Heaters	0	00	00
Microwaves	0	00	00
Ovens	0	00	00
Toasters	0	00	00
Electric Kettles	0	00	00
Personal computers (CPU, mouse, screen and keyboard included)	92	46	46
Laptop computer (CPU, mouse, screen and keyboard included)	2	1	1
Notebook computers	0	00	00
Notepad computers	0	00	00
Printers	12	6	6
Copying equipment (Photocopiers)	4	2	2
Projectors	2	1	1
Whiteboards	20	10	10
Electrical & electronic typewriters	0	00	00
Pocket & desk calculators	6	3	3
Fax machines	0	00	00
Telex	0	00	00
Telephones	2	1	1
Pay telephones	0	00	00
Mobiles	2	1	1
Answering systems	0	00	00

No documents uploaded by the school.

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

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. rally.docx

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. rally.docx



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?

2

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

No

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?

Ideas how to dispose waste generated from school

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad	
Content	Good	
Distribution of time among tasks	Average	
Sequencing of tasks	Good	

Average

Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?

No

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?

35.00

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. Photographs of lunch boxes
- 6. Picture of Canteen selling UPPF
- 7. Traditional food items sold in canteen
- 8. Pictures of Green Cover
- 9. Pictures of landscaped area
- 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 housekeeping staff disposing different types of solid waste
- 15. Pictures of respective audit teams doing survey