



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** BAL BHARATI PUBLIC SCHOOL,  
DWARKA

**Address:** SECTOR-12, DWARKA, DELHI, South  
West Delhi, Delhi, India

**Coordinator Name:** Ms. DIVYA GROVER



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**

BAL BHARATI PUBLIC SCHOOL, DWARKA

2

**Address**

SECTOR-12, DWARKA, DELHI, South West Delhi, Delhi, India

3

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

(ISD) 91 (STD) 011 (NUMBER) 28031970

4

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

(ISD) 91 (Number) 9971350747

5

**Principal Name**

SURUCHI GANDHI

6

**GSP Coordinator Name**

Ms. DIVYA GROVER

7

**GSP Coordinator Email**

divya\_chopra@ymail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9971350747

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	1404	1057	2461
Teachers	6	84	90
Non-Teaching Staff	19	11	30
TOTAL	1429	1152	2581

4(b)

How many visitors visit your school

500

5

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

240

6

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

Oct

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Divya Grover	Divya Grover

#### Administrative staff

Sno.	Name	Email
1.	Mr. Sudip Kar	sudeep.kar006@gmail.com
2.	Mr. Sanjay Kumar	sanjay_ray71@yahoo.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Kunal Gaur	kunalgaur84@gmail.com	10
2.	Vaibhav Yadav	vadav.06@gmail.com	10
3.	Harshit Yadav	harshityadav101@gmail.com	10
4.	Dhruv Prashar	prashardhruv2229@gmail.com	10
5.	Yamica Chopra	yamicachopra23@gmail.com	10

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

1 How many classrooms does your school have?

60

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 10 section C	12.25	6.64	54.17
Class 10 section B	12.25	4.44	36.21
Class 9 section D	12.25	4.44	36.21
Class 7 section A	12.25	4.47	36.45
Class 8 section D	12.25	5.90	48.14

Class 10 section A	12.25	6.23	50.89
Class 7 section C	12.27	6.64	54.08
Class 8 section C	12.25	6.64	54.17
Class 8 section A	12.56	5.99	47.69
Class 9 section A	12.25	6.98	56.97
<b>TOTAL</b>	<b>122.83</b>	<b>58.34</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	3	0	0	0	3
No. of vehicles more than five years old	1	0	0	0	1
Air conditioned	0	0	0	0	0
No. of vehicles with PUC done	2	0	0	0	2
Parking area (m2)	500	0	0	0	500

#### Supporting Documents

1. IMG\_20161116\_1009546\_HDR.jpg
2. fd9421e0-625f-4bca-b091-8b2cdf347d5f.jpg

3(b)

Specify the type of fuel used by your school vehicles:

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

Van	0	0	0	0	0	0
Other vehicles	0	0	0	0	0	0
<b>SUB-TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>

### Supporting Documents

1. IMG\_20161116\_101034\_HDR.jpg
2. IMG\_20161116\_101043\_HDR.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
School Bus	1196	20	3	1219
Public Bus	98	0	10	108
School Transport(Other than bus)	0	0	1	1
Public transport (other than bus, Metro, car pool)	269	14	0	283
Taxi four-wheeler	447	20	0	467
Taxi three-wheeler	23	0	0	23
Personal four-wheeler	207	26	16	249
Personal two-wheeler	78	3	0	81
Bicycle	59	0	0	59
On foot	49	7	0	56
Others (non-motorised)	35	0	0	35
<b>SUB-TOTAL</b>	<b>2461</b>	<b>90</b>	<b>30</b>	<b>2581</b>

## 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.	Ms Divya Chopra	divya_chopra@ymail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Sudip Kar	sudeep.kar006@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Harshit Yadav	harshityadav101@gmail.com	10
2.	Vaibhav yadav	vadav.06@gmail.com	10
3.	Ishir		

### Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

#### Supporting Documents

1. IMG\_20161116\_110529\_HDR.jpg
2. IMG\_20161116\_110537\_HDR.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)	14500	52200.00	0
Electricity from generator (diesel) (litres)	4000	182400.00	0
Petrol (litres)	0	0.00	0
Diesel (litres)	0	0.00	0
CNG (kilogrammes)	250	13100.00	0
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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
<b>TOTAL</b>	<b>18750.00</b>	<b>247700.00</b>	

### Supporting Documents

1. IMG\_20161116\_110503\_HDR.jpg
2. IMG\_20161116\_110513\_HDR.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	23	1.5	5
Refrigerator	4	210, 175, 60, 60	5
Microwave	18	10	5
Tube Lights	2500	40	3
CFL Bulbs	25	10	4

LED Lights	600	9	5
Fans	2500	75	4

### Supporting Documents

1. 71zE6nOhyoL.\_SL256\_.jpg
2. images.jpeg

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

5

What is the average number of sunny days in your area?

112

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.	Mrs Divya Chopra	divya_chopra@ymail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr Sudip Kar	sudeep.kar006@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Harshit Yadav	harshityadav101@gmail.com	10
2.	Vaibhav Yadav	vadav.06@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  
No

2 Does your school serve midday meals?  
No

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

#### Supporting Documents

1. IMG\_20161116\_113331\_HDR.jpg

2(a)(1) How many students out of total student population bring home-made lunch?  
2581.00

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**

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?

No

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?

No

8

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

No

No documents uploaded by the school.



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Ms Divya Chopra	divya_chopra@ymail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr Sudip Kar	

#### Students

Sno.	Name	Email	Grade/Class
1.	Vaibhav Yadav	vadav.06@gmail.com	10
2.	Harshit Yadav	harshityadav101@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 (m2)	15,794
Ground coverage area	9,794
Green landscaped area on-ground	8,294
Surface parking area	500
Play area that is paved/ concrete on ground	9,794
Play area that has grass on ground	8,294
Service Area on ground	7,500
Roof and terrace area	216
Green cover on exposed roof & terrace	0
Total built up/constructed area	6,000

Total no. of floors	4
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	261	0	261
Animals	0	0	0

### 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. IMG\_20161116\_123836\_HDR.jpg
2. tree survey.docx
3. IMG\_20161116\_123839\_HDR.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Ms Divya Chopra	divya_chopra@ymail.com
2.	Ms Jyoti singh	singhjyoti08@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr Sudip Kar	sudeep.kar006@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Harshit Yadav	harshityadav101@gmail.com`	10
2.	Vaibhav Yadav	vadav.06@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	500
Toilet flushing	200
Personal cleaning	0
Washing clothes	0
Cooking	5
Cleaning Utensils	5
Washing Vegetables	0
Mopping floors	50
Gardening	40



Total	800
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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  
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?	Yes
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)	No

## Supporting Documents

1. IMG\_20161116\_140804\_HDR.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).

138

### 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?

24

9

How many hand pumps do you have?

0

10

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

60

11

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

	Girls	Boys	Common	Total
Number of toilets	64	64	0	128

12

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

24

13

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

18

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?

No

18

Does your school reuse the treated wastewater?

No

18(a)

Please specify the fate of wastewater

Wastewater flows directly to the drains

### Supporting Documents

1. timg\_20161116\_140745\_hdr.jpg



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Ms Divya Chopra	divya_chopra@ymail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr Sudip Kar	sudeep.kar006@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Harshit Yadav	harshityadav101@gmail.com	10
2.	Vaibhav Yadav	vadav.06@gmail.com	10
3.	Ishita Sharma	isharma925@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. Housekeeping (Sweeper)

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	60	0	60	0	0
Playgrounds	7	0	7	0	0
Common area (e.g. reception, corridors)	10	0	10	0	0
Staffroom	16	0	16	0	0

Laboratory	7	0	7	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	2	0	2	0	0
Toilets	40	0	40	0	0
Others	6	0	6	0	0
Total	149	0	149	0	0

### Supporting Documents

1. IMG\_20161117\_082942\_HDR.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	22
Kitchen waste	8
Paper	650
Plastic	4
Wood, glass, metal, classroom furniture	3
E-waste	5
Biomedical waste	12
Sanitary waste	500
Construction and Demolition (C & D) waste	20
Hazardous waste	12
Total Generated Solid Waste (in kilogram)	1236

## Supporting Documents

1. IMG\_20161116\_123846\_HDR %281%29.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)	✗	✓	✗	✗

## Supporting Documents

1. paperwaste.jpg.jpg
2. DSC\_0253.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.

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	8	8	0
VCR or DVD players	4	4	0
Refrigerators and freezers	4	4	0
Washing machines	0	0	0
Air conditioners	23	23	0
Heaters	4	4	0
Microwaves	7	7	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	3	3	0
Personal computers (CPU, mouse, screen and keyboard included)	60	60	0
Laptop computer (CPU, mouse, screen and keyboard included)	60	60	0
Notebook computers	0	0	0

Notepad computers	0	0	0
Printers	8	8	0
Copying equipment (Photocopiers)	10	10	0
Projectors	76	76	0
Whiteboards	120	120	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	115	115	0
Fax machines	3	3	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. IMG\_20161117\_083300\_HDR %281%29.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?

Authorised dismantler

### 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. DSC\_0246.jpg
2. DSC\_0250.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. Image0041.jpg
2. Image0042.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

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?

No

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?

-An education and recreational inter school fest / event with activities related to conservation of resources, if organized would motivate students to progress further towards the motive that we all share i.e., CONSERVATION. - Some activities for students and teachers in the school on the theme would encourage them more to do their bit.

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?

8.00

### 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 5 star appliances used by school
6. Photographs of lunch boxes
7. Pictures of landscaped area
8. Building construction plan
9. Pictures of dustbins in classroom showing segregation at source
10. Pictures of playground with more than two dustbins
11. Picture of audit team weighing solid waste
12. Picture of types of solid waste generated
13. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
14. Pictures of housekeeping staff disposing different types of solid waste
15. Pictures of Electronic items used by school and storage of non-working electronic items
16. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
17. Pictures of respective audit teams doing survey