



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** bal bharati public school  
**Address:** sECTOR-14, Rohini, Delhi, North West  
Delhi, Delhi, India  
**Coordinator Name:** Ms. Sarita Chauhan



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

2

**Address**

sECTOR-14, Rohini, Delhi, North West Delhi, Delhi, India

3

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

(ISD) 91 (STD) 011 (NUMBER) 27554563

4

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

(ISD) 91 (Number) 9818634445

5

**Principal Name**

Ms. Geeta Gangwani

6

**GSP Coordinator Name**

Ms. Sarita Chauhan

7

**GSP Coordinator Email**

saritachauhan14@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9818634445

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	1427	1163	2590
Teachers	12	83	95
Non-Teaching Staff	19	8	27
TOTAL	1458	1254	2712

4(b) How many visitors visit your school

50

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

222

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

Sep, Oct

7 Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Ms. Sugandh Lal	Ms. Sugandh Lal

#### Administrative staff

Sno.	Name	Email
1.	MR. CHAKROBORTY	

#### Students

Sno.	Name	Email	Grade/Class
1.	TANMAY TANEJA	tanejatanmay46@gmail.com	
2.	SHIVAM MITTAL	shivammittal422@gmail.com	
3.	VASU ARORA	vasuarora723@gmail.com	
4.	YASH DAGAR	yashdagar94@yahoo.com	
5.	SEJAL AGGARWAL	sejalgoyal2001@gmail.com	
6.	MANUSHREYA	sharma.manushreya@gmail.com	

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

1 How many classrooms does your school have?

59

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)
I A	482.02	129.25	26.81
I B	482.02	129.25	26.81
IV A	482.02	129.25	26.81
IV B	482.02	129.25	26.81
VII A	582.02	129.25	22.21

VII B	482.02	129.25	26.81
VIII A	452.76	129.75	28.66
VIII B	452.76	129.75	28.66
IX A	452.86	160.25	35.39
X-A	452.86	160.25	35.39
<b>TOTAL</b>	<b>4,803.36</b>	<b>1,355.50</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	4	0	0	0	4
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	4	0	0	0	4
Parking area (m2)	5250	0	0	0	5250

#### Supporting Documents

1. IMG-20161115-WA0008.jpg
2. IMG-20161115-WA0009.jpg
3. IMG-20161115-WA0011.jpg

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	0	0	0	4	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>4</b>	<b>0</b>	<b>0</b>

### Supporting Documents

1. bus 2 rev.jpg
2. bus 1rev.jpg
3. bus 3 rev.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	498	0	0	498
Public Bus	3	0	18	21
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	5	5	2	12
Taxi four-wheeler	1496	13	0	1509
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	260	70	7	337
Personal two-wheeler	135	6	0	141
Bicycle	12	0	0	12
On foot	127	1	0	128
Others (non-motorised)	54	0	0	54
<b>SUB-TOTAL</b>	<b>2590</b>	<b>95</b>	<b>27</b>	<b>2712</b>

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

5

How many students suffer from respiratory ailments ?

44

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.	Mr.Ashish Jaiswal	ajaiswal08@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	MR. CHAKROBORTY	bbpsrh@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Aditi Arya	aditiskr01@gmail.com	9
2.	Yoshita Katiyar	pradeepkatiyar03@yahoo.co.in	10
3.	Urwi Kwatra	kwatrageeta76@gmail.com	10
4.	Snigdha	snigdha.taneja07@gmail.com	10
5.	Vipul Parashkar	sharmavipul44@yahoo.com	9
6.	Ishita Sud	ishitasud5@gmail.com	9
7.	Prabhav Dogra	prabhavdigra1111@gmail.com	10
8.	Rohan Chopra	rohanch21@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. ele bill.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)	14939	53780.40	1,5
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	0	0.00	0
Diesel (litres)	1000	45600.00	4
CNG (kilogrammes)	350	18340.00	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)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	45	2322.00	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	16334.00	120042.40	

### Supporting Documents

1. cng bill.jpg
2. ele bill.jpg
3. Diesel Bill.jpg
4. CNG.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	18	1.5	4

Refrigerator	5	120	5
Microwave	12	2	3
Tube Lights	601	40	2
CFL Bulbs	10	40	2
LED Lights	37	150	2
Fans	400	100	2

### Supporting Documents

1. Oven.jpg
2. LED.jpg
3. fan tubelight.jpg
4. Projector.jpg
5. Smart Board.jpg

### 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.	Ms. Sarita chauhan	saritachauhan14@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	MR. CHAKROBORTY	bbpsrh@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Sumiran	mail.comsumirang1999@g	11
2.	Ankit Gupta	kigupta64@gmail.com	11
3.	Aditi Pal Singh	paladiti@gmail.com	11
4.	Sukriti Jain	sanjeev.jain@trustgroup.co.in	11
5.	Praneet Sandhu	praneet_sandhu@yahoo.com	11

### 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-20161115-WA0000.jpg
2. IMG-20161114-WA0000.jpg

2(a)(1)

How many students out of total student population bring home-made lunch?

2590.00

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
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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	0
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	0

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

paneer pakoda,namak para, onion stuffed puri

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

## Supporting Documents

1. IMG-20151215-WA0007.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Nalini bhalla	nalinibhalla_01@yahoo.com

#### Administrative staff

Sno.	Name	Email
1.	motilal	

#### Students

Sno.	Name	Email	Grade/Class
1.	bhavya bhatia	bhatiabhavya.02@gmail.com	8
2.	kartik sharma		8
3.	shivam jain	jaindivya2025@gmail.com	8
4.	kartikay rawal	rawalaruna1@gmail.com	8
5.	prajwal yadav	kusumyadav1977bhanu@gmail.com	8
6.	sarthak goyal	tarunggoyal@yahoo.com	8
7.	vaibhav khuruna	vaibhavkhurana02@gmail.com	8
8.	samaksh bhasin	sam516@gmail.com	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 (m <sup>2</sup> )	3
Ground coverage area	20,911
Green landscaped area on-ground	10
Surface parking area	5,250
Play area that is paved/ concrete on ground	20,911
Play area that has grass on ground	5,061

Service Area on ground	2,034
Roof and terrace area	20,630
Green cover on exposed roof & terrace	48
Total built up/constructed area	8,779
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	50	0	50
Animals	5	0	5

### Task 4: Find out if your school uses pesticides

4

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

Yes

No documents uploaded by the school.





## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Ms. Sandhya Sachdev	sachdevsandhya@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Terry	antonyterry@ymail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Jatin Jindal	jatinjindal.2003@gmail.com	8
2.	Aditya Dhingra	prtidhingra01@gmail.com	8
3.	Jatin Aggarwal	jatinagg1106@gmail.com	8
4.	Arnav	Pujji.rana@gmail.com	8
5.	Animesh	animesh6207@gmail.com	8
6.	Anushka		8
7.	Ananya		8
8.	Shishir	shishir@gargz.com	8
9.	Parth		8
10.	Priyanshu Naik	naikpriyanshu57@gmail.com	8

### 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	3000
Toilet flushing	5000
Personal cleaning	0
Washing clothes	0

Cooking	50
Cleaning Utensils	50
Washing Vegetables	0
Mopping floors	100
Gardening	200
Total	8400

### Task 3: What are the sources, supply and storage of water in your school

2 Where does the water your school uses, come from?

Ground water, Surface 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?	No

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. over head tanks.jpg
2. measuring of water tanks 2.jpg
3. drinking water taps.jpg
4. hand wash water taps.jpg
5. girls\_toilets.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).

25714280

## 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?

22

9 How many hand pumps do you have?

0

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

45

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

	Girls	Boys	Common	Total
Number of toilets	35	61	2	98

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

30

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

6

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. measuring of water tanks 3.jpg



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	pooja sharma	poojasharmakaushik73@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	teri	

#### Students

Sno.	Name	Email	Grade/Class
1.	Sanaa Najam	deeba.sanaa@gmail.com	7
2.	Teertha Dhingra	dhingranisha@gmail.com	7
3.	Vaibhav Mittal	27 monikamittal@gmail.com	7
4.	Yash Gupta	de_gupta@yahoo.com	7

### Task 2: What is the waste segregation system in your school?

1 Does your school segregate solid waste?

No

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	59	0	59	0	0
Playgrounds	8	0	0	0	8
Common area (e.g. reception, corridors)	4	0	0	4	0
Staffroom	8	0	8	0	0
Laboratory	6	0	0	6	0
Canteen	0	0	0	0	0

Clinic/ Sick room	1	0	0	1	0
Library	2	0	0	2	0
Toilets	25	2	23	0	0
Others	13	0	13	0	0
Total	126	2	103	13	8

No documents uploaded by the school.

### 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	125
Kitchen waste	0.5
Paper	100
Plastic	0
Wood, glass, metal, classroom furniture	100
E-waste	0
Biomedical waste	0.5
Sanitary waste	20
Construction and Demolition (C & D) waste	0
Hazardous waste	2
Total Generated Solid Waste (in kilogram)	348

No documents uploaded by the school.

### 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 &amp; 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?

Don't know



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	6	6	0
VCR or DVD players	0	0	0
Refrigerators and freezers	4	4	0
Washing machines	0	0	0
Air conditioners	31	30	1
Heaters	5	4	1
Microwaves	1	1	0
Ovens	6	6	0
Toasters	0	0	0
Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	95	95	0
Laptop computer (CPU, mouse, screen and keyboard included)	24	24	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	16	16	0
Copying equipment (Photocopiers)	1	1	0
Projectors	48	48	0
Whiteboards	48	48	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0

Fax machines	1	1	0
Telex	0	0	0
Telephones	33	33	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?

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

No documents uploaded by the school.

13a

What form do these awareness drives take?

As part of the curriculum , By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

Yes

No documents uploaded by the school.



## FEEDBACK

1

Has your school participated in the Green Schools Programme (GSP) Audit before?

No

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?

we need some help to make our campus energy and water efficient by taking taking appropriate measures like shifting to solar energy and by rain water harvesting.

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?

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?

10.00

**Checklist of uploaded documents**

1. Fuel Bills
2. Picture of School owned vehicles
3. Electricity Bill
4. Picture of 5 star appliances used by school