



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: BLUEBELLS SCHOOL INTERNATIONAL
Address: KAILASH,, OPPOSITE L.S.R. COLLEGE,
NEW DELHI, NEW DELHI, Delhi, India
Coordinator Name: Ms Neeru Bhushan



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

BLUEBELLS SCHOOL INTERNATIONAL

2

Address

KAILASH,, OPPOSITE L.S.R. COLLEGE, NEW DELHI, NEW DELHI, Delhi, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 11 (NUMBER) 29232963

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9990313369

5

Principal Name

Ms Suman Kumar

6

GSP Coordinator Name

Ms Neeru Bhushan

7

GSP Coordinator Email

neeru.bhushan@bluebellsinternational.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9990313369

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	987	864	1851
Teachers	9	96	105
Non-Teaching Staff	23	9	32
TOTAL	1019	969	1988

4(b)

How many visitors visit your school

400

5

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

225

6

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

Aug, Sep, Oct

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Neeru Bhushan	Neeru Bhushan

Administrative staff

Sno.	Name	Email
1.	Kamal Saneja	kamal.saneja@bluebellsinternational.com

Students

Sno.	Name	Email	Grade/Class
1.	Vrinda Kohli	vrinda_kohli@rediffmail.com	11
2.	Zainab Haleem	zainabhaleem18@gmail.com	9

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

1 How many classrooms does your school have?

53

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 1 section A	39.23	22.34	56.95
class 2 section C	34.25	17.20	50.22
class 4 section B	48.96	30.00	61.27
class 5 section D	30.30	12.60	41.58
class 3 section C	34.42	19.56	56.83
class 6 section B	34.35	17.00	49.49
class 7 section A	47.16	32.20	68.28
class 8 section A	35.99	18.00	50.01

class 9 section C	45.22	27.80	61.48
class 12 section B	47.81	32.00	66.93
TOTAL	397.69	228.70	

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	3	1	0	8
No. of vehicles more than five years old	0	0	0	0	0
Air conditioned	1	3	1	0	5
No. of vehicles with PUC done	4	3	1	0	8
Parking area (m2)	76	23.7	28.2	0	127.9

Supporting Documents

1. new pol.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	1	2	0	0	0	0
Van	0	0	0	1	0	0
Other vehicles	0	0	0	0	0	0
SUB-TOTAL	1	2	0	5	0	0

Supporting Documents

1. new lpg.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	974	32	0	1006
Public Bus	111	17	22	150
School Transport(Other than bus)	248	0	0	248
Public transport (other than bus, Metro, car pool)	138	0	7	145
Taxi four-wheeler	7	0	0	7
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	220	51	0	271
Personal two-wheeler	50	5	3	58
Bicycle	24	0	0	24
On foot	17	0	0	17
Others (non-motorised)	62	0	0	62
SUB-TOTAL	1851	105	32	1988

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

5

How many students suffer from respiratory ailments ?

27

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.	neeru bhushan	neeru.bhushan@bluebellsinternational.com

Administrative staff

Sno.	Name	Email
1.	kamal saneja	kamal.saneja@bluebellsinternational.com

Students

Sno.	Name	Email	Grade/Class
1.	vrinda kohli	vrinda_kohli@rediffmail.com	11
2.	zainab haleem	zainabhaleem18@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. my picss.docx
2. my picss.docx

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)	22000	79200.00	5
Electricity from generator (diesel) (litres)	234	10670.40	5
Petrol (litres)	602	28113.40	2
Diesel (litres)	326	14865.60	1
CNG (kilogrammes)	1468	76923.20	5
Kerosene (litres)	0	0.00	0
Coal (kilogrammes)	0	0.00	0
Wood (kilogrammes)	0	0.00	0
Animal waste (kilogrammes)	64	1152.00	1
Solar (kwh)	73	262.80	1
Wind (kwh)	70	252.00	1
LPG (kilogrammes)	47	2425.20	3
Piped Natural Gas (kilogrammes)	42	504.00	1
TOTAL	24926.00	214368.60	

Supporting Documents

1. new lpg.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	23	3.5	4
Refrigerator	8	800	4
Microwave	7	8.1	4
Tube Lights	382	40	3.5
CFL Bulbs	15	8	3
LED Lights	26	10	4

Fans	362	100	4
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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?

182

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?

, Combination of solar and wind

No documents uploaded by the school for energy chapter.



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Ms Neeru Bhushan	neeru.bhushan@bluebellsinternational.com

Administrative staff

Sno.	Name	Email
1.	Mr Kamal Saneja	kamal.saneja@bluebellsinternational.com

Students

Sno.	Name	Email	Grade/Class
1.	Vrinda Kohli	vrinda_kohli@rediffmail.com	11
2.	Zainab Haleem	zainabhaleem18@gmail.com	9

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?
Yes

No documents uploaded by the school.

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	2	350	1
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	0
Potato fries and Burgers	1	250	1
Confectionery items (chocolate, candies, gums)	5	300	1
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	3	350	1
Packaged/Bottled Energy Drinks	1	600	1

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	550
Idli/vada and sambhar	400
Pav bhaji	0
Momos	0
Others	0

4(b)

Give descriptions for rare local snacks served in your school:?

masala dosa with sambhar choley bhature

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	200
Sweet lassi	200
Salted butter milk	150
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?

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?

Yes

8(a) Does the school distribute packaged food items as rewards during schools events?

dominos novelty

8(b) Are their banners, brochures, hoardings, stalls etc. put-up during the events?

Yes

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Neeru Bhushan	neeru.bhushan@bluebellsinternational.com

Administrative staff

Sno.	Name	Email
1.	Kamal Saneja	kamal.saneja@bluebellsinternational.com

Students

Sno.	Name	Email	Grade/Class
1.	Vrinda Kohli	vrinda_kohli@rediffmail.com	11
2.	Zainab Haleem	zainabhaleem18@gmail.com	9

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)	3,914
Ground coverage area	1,876
Green landscaped area on-ground	640
Surface parking area	128
Play area that is paved/ concrete on ground	640
Play area that has grass on ground	560
Service Area on ground	198
Roof and terrace area	319
Green cover on exposed roof & terrace	111
Total built up/constructed area	2,194

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	115	34	149
Animals	6	2	8

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. newimp%5B.docx
2. pics imp.docx



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Neeru Bhushan	neeru.bhushan@bluebellsinternational.com

Administrative staff

Sno.	Name	Email
1.	Kamal Saneja	kamal.saneja@bluebellsinternational.com

Students

Sno.	Name	Email	Grade/Class
1.	Vrinda Kohli	vrinda_kohli@rediffmail.com	11
2.	Zainab Haleem	zainabhaleem18@gmail.com	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	3976
Toilet flushing	19880
Personal cleaning	0
Washing clothes	250
Cooking	1000
Cleaning Utensils	3000
Washing Vegetables	200
Mopping floors	3720
Gardening	2560
Total	34586

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

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

2-6 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?	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

Supporting Documents

1. water.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?.

No

6(b)

How does your school harvest rainwater?

By storing

6(b)(1)

If your school only stores rainwater, please select the use of stored rainwater.

Gardening, Mopping

6(b)(2)

Does your school have rainwater storage tank?

No

6(c)

How much area in your school is harvested?

10 to 20 per cent

6(d)

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

Storage tank, Collection sump

6(e)

Rate your catchment on cleanliness:

Good

No documents uploaded by the school.

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?

Pre-monsoon

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?

Post-monsoon

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?

Yes

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)?	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?

45

9 How many hand pumps do you have?

0

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

37

11

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

	Girls	Boys	Common	Total
Number of toilets	22	14	1	37

12

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

32

13

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

7

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?

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.	Neeru Bhushan	neeru.bhushan@bluebellsinternational.com

Administrative staff

Sno.	Name	Email
1.	Kamal Saneja	kamal.saneja@bluebellsinternational.com

Students

Sno.	Name	Email	Grade/Class
1.	vrinda kohli	vrinda_kohli@rediffmail.com	11
2.	zainab haleem	zainabhaleem18@gmail.com	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	53	0	41	12	0
Playgrounds	8	0	5	1	2

Common area (e.g. reception, corridors)	27	2	19	6	0
Staffroom	4	0	4	0	0
Laboratory	6	0	5	1	0
Canteen	7	1	1	2	3
Clinic/ Sick room	2	0	1	1	0
Library	4	0	4	0	0
Toilets	17	1	7	7	2
Others	0	0	0	0	0
Total	128	4	87	30	7

Supporting Documents

1. WhatsApp Image 2016-11-16 at 10.58.10 PM.jpeg

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	87
Kitchen waste	59
Paper	82
Plastic	90
Wood, glass, metal, classroom furniture	42
E-waste	35
Biomedical waste	30
Sanitary waste	42
Construction and Demolition (C & D) waste	12
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

479

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?

Yes

Supporting Documents

1. picip.jpeg

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)?

89.00

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?

Landfill Site

Supporting Documents

1. WhatsApp Image 2016-11-16 at 10.58.10 PM.jpeg

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	10	10	0
Refrigerators and freezers	8	8	0
Washing machines	1	1	0
Air conditioners	23	20	3

Heaters	2	2	0
Microwaves	7	7	0
Ovens	4	4	0
Toasters	2	2	0
Electric Kettles	6	6	0
Personal computers (CPU, mouse, screen and keyboard included)	130	110	20
Laptop computer (CPU, mouse, screen and keyboard included)	60	56	4
Notebook computers	3	3	0
Notepad computers	0	0	0
Printers	65	65	0
Copying equipment (Photocopiers)	2	2	0
Projectors	85	75	10
Whiteboards	87	80	7
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	8	6	2
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?

No

Task 6: School's initiatives

12

Does the school have a policy on waste?

Yes

Policy document

13

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

Yes

Supporting Documents

1. new.docx
2. IMG_0158.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

No documents uploaded by the school.



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?

2013

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?

need to use more led bulbs. Have a proper waste management system. Follow 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	Average
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?

Yes

9(a)

If yes, please share your suggestions.

a test of purity of drinking water (either from the water coolers) must also be conducted

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?

Never

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?

2.00

Checklist of uploaded documents

1. PUC certificates of not more than five buses
2. Fuel Bills
3. Electricity Bill
4. Picture of Mid-day meal being served
5. Pictures of Green Cover
6. Pictures of landscaped area
7. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
8. Pictures of housekeeping staff disposing different types of solid waste
9. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc