



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: PSBB Learning Leadership Academy
Address: 52, Sahasra Deepika Road, Laxmipura
Village, Near Tulip Resort, Off
Bannerghatta Main Road, Bengaluru,
Karnataka 560083, Bangalore, Bangalore
Rural, Karnataka, India
Coordinator Name: Aruna Vaddadi



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

PSBB Learning Leadership Academy

2

Address

52, Sahasra Deepika Road, Laxmipura Village, Near Tulip Resort, Off Bannerghatta Main Road, Bengaluru, Karnataka 560083, Bangalore, Bangalore Rural, Karnataka, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 80 (NUMBER) 27837021

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9731908222

5

Principal Name

Mahalaxmi Kumar

6

GSP Coordinator Name

Aruna Vaddadi

7

GSP Coordinator Email

bannuaruna@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9900295125

9

Category Of The School

Day Boarding

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	1387	1384	2771
Teachers	13	131	144
Non-Teaching Staff	20	44	64
TOTAL	1420	1559	2979

4(b)

How many visitors visit your school

100

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?

Nov

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Aruna Vaddadi	Aruna Vaddadi

Administrative staff

Sno.	Name	Email
1.	Naveen. G	naveen.g@psbbacademy.org

Students

Sno.	Name	Email	Grade/Class
1.	Samyukta Shrivatsa	samyukta.shrivatsa@yahoo.com	10

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

1 How many classrooms does your school have?

87

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	48.00	9.50	19.79
Class 2	48.00	9.50	19.79
Class 3	48.00	9.50	19.79
Class 4	48.00	9.50	19.79
Class 5	48.00	9.50	19.79
Class 6	48.00	9.50	19.79
Class 7	48.00	9.50	19.79
Class 8	48.00	9.50	19.79

Class 9	48.00	9.50	19.79
Class 10	48.00	9.50	19.79
TOTAL	480.00	95.00	

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	6	1	0	0	7
No. of vehicles more than five years old	6	1	0	0	7
Air conditioned	0	1	0	0	1
No. of vehicles with PUC done	6	1	0	0	7
Parking area (m2)	0	0	0	0	0

Supporting Documents

1. IMG_0772.jpg
2. IMG_0773.jpg
3. IMG_0774.jpg

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	6	0	0	0	0	0
Car	1	0	0	0	0	0
Van	0	0	0	0	0	0
Other vehicles	0	0	0	0	0	0

SUB-TOTAL	7	0	0	0	0	0
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Supporting Documents

1. fuel.jpg
2. fuel2.jpg
3. bus.jpg
4. bus2.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	2525	134	54	2713
Public Bus	0	0	0	0
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	246	0	0	246
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	5	0	5
Personal two-wheeler	0	5	10	15
Bicycle	0	0	0	0
On foot	0	0	0	0
Others (non-motorised)	0	0	0	0
SUB-TOTAL	2771	144	64	2979

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.	Usha Gopalan	ugopalan@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Naveen.G	naveen.g@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ryle	ryanle74@yahoo.com	10

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. ebill1.pdf
2. ebill2.pdf

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)	6000	21600.00	1

Electricity from generator (diesel) (litres)	110	5016.00	1
Petrol (litres)	0	0.00	0
Diesel (litres)	200	9120.00	4
CNG (kilogrammes)	0	0.00	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)	28	1444.80	5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	6338.00	37180.80	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	2	180 litres	3
Microwave	5	20 litres	0
Tube Lights	450	4 feet	0
CFL Bulbs	0	0	0
LED Lights	48	4 feet	0
Fans	450	56 inches	0

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?

200

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.	Smitha Dinesh	smithadinesh2010@gmail.com

Administrative staff

Sno.	Name	Email
1.	Naveen.G	naveen.g@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Vidhatri	vidhatri.shankar@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?

No

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

Yes

Supporting Documents

1. lunchbox.jpg

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

2750.00

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

50.00

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	2	150	10
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	60
Idli/vada and sambhar	20
Pav bhaji	0
Momos	0
Others	30

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

Kachori

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	0
Sweet lassi	0
Salted butter milk	0
Aam Panna	0
Others	150

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?

Yes

7(a) Please provide the names?

Cakes, Samosa and juice during Annual Day.

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.	Veena Joshi	veenajoshi@hotmail.com

Administrative staff

Sno.	Name	Email
1.	Naveen.G	naveen.g@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Pranav Prabhu	prnv.prbh@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)	45,000
Ground coverage area	22,000
Green landscaped area on-ground	2,000
Surface parking area	0
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	0
Service Area on ground	0
Roof and terrace area	0
Green cover on exposed roof & terrace	0
Total built up/constructed area	23,000
Total no. of floors	3

Others	0
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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	150	0	150
Animals	20	0	20

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. Green Cover.jpg
2. Landscape.jpg
3. building_Construction1.jpg
4. building_Construction2.jpg
5. building_Construction4.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Aparna Ramprasad	aparnaramprasad@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Naveen.G	naveen.g@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Vaibhavi	vaib.26.family@gmail.com	11

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	600
Toilet flushing	4000
Personal cleaning	840
Washing clothes	0
Cooking	20
Cleaning Utensils	100
Washing Vegetables	0
Mopping floors	100
Gardening	100
Total	5760

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?

Private supplier, 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

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?	No
Are dual flush systems installed in the toilets?	No
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)	Yes

No documents uploaded by the school.

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 recharging groundwater

6(b)(1)

Does your school have groundwater recharge structure?

Yes

6(b)(1)(i)

Please share the total number of groundwater recharge structures

15.00

6(b)(1)(ii)

Please tick the type of groundwater recharge structure used in your school:

Recharge pits

6(c)

How much area in your school is harvested?

41 to 50 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. rainwater_harvest_1.jpg
2. rainwater_harvest_2.jpg
3. rainwater_harvest_3.jpg
4. rainwater_harvest_4.jpg
5. rainwater_harvest_5.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?

Pre-monsoon

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?

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)?	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?

13

9

How many hand pumps do you have?

4

10

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

30

11

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

	Girls	Boys	Common	Total
Number of toilets	36	36	3	75

12

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

64

13

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

3

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

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Vijaya Lakshmi	vijibio70@gmail.com

Administrative staff

Sno.	Name	Email
1.	Naveen G	naveen.g@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Saankhya Srivatsa	saankhya.shrivatsa@yahoo.in	7

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	87	0	87	0	0
Playgrounds	10	0	10	0	0
Common area (e.g. reception, corridors)	20	0	10	5	5

Staffroom	6	0	6	0	0
Laboratory	5	0	5	0	0
Canteen	1	0	0	0	1
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	18	0	18	0	0
Others	0	0	0	0	0
Total	149	0	138	5	6

Supporting Documents

1. Classroom_waste.jpg
2. Playground_waste.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	1
Kitchen waste	50
Paper	30
Plastic	10
Wood, glass, metal, classroom furniture	0
E-waste	20
Biomedical waste	2
Sanitary waste	30
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	143

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 & teachers to reuse textbooks?

No

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

No documents uploaded by the school.

9

Does your school burn waste?

Yes

No documents uploaded by the school.

9a

Where does your school burn waste?

Outside the school

9b

What kind of waste is being burnt/ incinerated?

Paper

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	0	0	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	0	0	0
Heaters	0	0	0
Microwaves	4	4	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	197	197	0
Laptop computer (CPU, mouse, screen and keyboard included)	5	5	0

Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	6	6	0
Copying equipment (Photocopiers)	3	3	0
Projectors	87	87	0
Whiteboards	100	100	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	10	10	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	7	7	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	1	1	0

Supporting Documents

1. electronic1.jpg
2. electronic2.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?

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

Supporting Documents

1. Audit_team.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?

training for teachers,non teaching staff and students.

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?

Yes

9(a) If yes, please share your suggestions.

Auditing the area around the school is difficult.

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?

100.00

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. Traditional food items sold in canteen
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 Electronic items used by school and storage of non-working electronic items
14. Pictures of respective audit teams doing survey