

Responses for Green Schools Programme Audit 2016

School Name: Bhavan's B.P.Vidya Mandir

Address: Civil Lines, Nagpur, nagpur, NAGPUR,

Maharashtra, India

Coordinator Name: Smt. Asha Anasane



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

Bhavan's B.P.Vidya Mandir

2 Address

Civil Lines, Nagpur, nagpur, NAGPUR, Maharashtra, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0712 (NUMBER) 2521986

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9975017138

5 Principal Name

Anju Bhutani

6 GSP Coordinator Name

Smt. Asha Anasane

GSP Coordinator Email

bbpvmcl@gmail.com

8 GSP Coordinator Mobile Number

(ISD)91 (Number) 9975017138

9 Category Of The School

Day Scholar

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	1710	1646	3356
Teachers	12	94	106
Non-Teaching Staff	9	6	15
TOTAL	1731	1746	3477

4(b) How many visitors visit your school

100

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

250

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

Oct

Where is the school located?

Urban Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email	
1.	Asha Anasane	Asha Anasane	

Administrative staff

Sno.	Name	Email
1.	Anju Bhutani	bbpvm.cl@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Aaryesh Nimbhkar		8
2.	Aakash Mirpuri		8
3.	Rudraksh Jawade		8
4.	Soham Belsare		8
5.	Atharva Talatule		8
6.	harsh kaabra		9
7.	videh agrawal		9

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

How many classrooms does your school have?

77

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)
KG 1 A	36.79	3.18	8.64
KG 2 A	36.79	3.18	8.64
1 B	37.16	9.12	24.54
2 A	37.16	9.12	24.54

2 D	37.16	9.12	24.54
8 B	37.16	9.12	24.54
8 E	46.45	9.12	19.63
10 D	72.46	5.11	7.05
10 A	48.87	8.10	16.58
10 E	61.32	10.89	17.76
TOTAL	451.32	76.06	

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?

Operator-owned vehicles

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	0	00	0	0
Public Bus	30	1	0	31
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	600	5	0	605
Taxi three-wheeler	2200	7	0	2207
Personal four-wheeler	286	47	2	335
Personal two-wheeler	200	46	13	259
Bicycle	30	0	0	30
On foot	10	0	0	10
Others (non-motorised)	0	0	0	0

 SUB-TOTAL
 3356
 106
 15
 3477

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

How many students suffer from respiratory ailments?

24

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?

No



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	ASHA ANASANE	asha_71anasane@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	ANJU BHUTANI	

Students

Sno.	Name	Email	Grade/Class
1.	YASH AGRAWAL		9
2.	AMOL KRISHNANI		9
3.	VIDEH AGRAWAL		9
4.	HARSH KABRA		9

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. IMG_20161110_0002_NEW.compressed.pdf

Does your school have its own vehicles?

No

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)	8733	31438.80	1,5
Electricity from generator (diesel) (litres)	100	4560.00	1
Petrol (litres)	0	0.00	0
Diesel (litres)	0	0.00	0
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)	56.8	2930.88	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	8889.80	38929.68	

Supporting Documents

- 1. fb2.pdf
- 2. fb.pdf

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	4	1.5	4
Refrigerator	2	250	4
Microwave	0	0	0
Tube Lights	355	15265	0
CFL Bulbs	0	0	0

LED Lights	0	0	0
Fans	224	11200	0

No documents uploaded by the school.

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

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

304

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.	asha anasane	asha_71anasane@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	anju bhutani	

Students

Sno.	Name	Email	Grade/Class
1.	amol krishnani		
2.	harsh kabra		
3.	shrishti paul		

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

No

Does your school serve midday meals?

No

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

Yes

Supporting Documents

- 1. 20161117_130441.jpg
- 2. 20161117_130444.jpg
- 3. 20161117_130453.jpg

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

2(a)(1)

3533.00

2(a)(2)

Of the students who bring lunch from home, how many bring packaged food?

1500.00

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	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

Does your school serve traditional Indian beverages?

No

Task 4: What kind of food does your school promote?

Does the school distribute packaged food items as rewards during schools events?

Yes

6(a) Please provide details

on independence and republic day only

Does the school distribute chocolates/similar products as refreshments during schools events?

Yes

Please provide the names?

haldirams sweets and snacks box

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

No

Supporting Documents

- 1. DSC_0186.JPG
- 2. 20161111_122555.jpg



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	asha anasane	asha_71anasane@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	anju bhutani	

Students

Sno.	Name	Email	Grade/Class
1.	amol krishnani		9
2.	harsh kaabra		9
3.	videh agrawal		9

Task 2: Measure the four critical areas of your school campus

Complete the table:

	Your school's area
Site area in square meter (m2)	9,267
Ground coverage area	3,994
Green landscaped area on-ground	31
Surface parking area	265
Play area that is paved/ concrete on ground	1,229
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	33,612
Total no. of floors	6
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	50	100	150
Animals	0	0	0

Task 4: Find out if your school uses pesticides

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

No

Supporting Documents

- 1. 20161112_104645.jpg
- 2. 20161112_104649.jpg
- 3. 20161112_105325.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	ASHA ANASANE	asha_71anasane@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	ANJU BHUTANI	

Students

Sno.	Name	Email	Grade/Class
1.	AMOL KRISHNANI		
2.	HARSH KAABRA		
3.	yugal wanjari		
4.	sumit warma		
5.	ananya haldar		
6.	tanvi pophalli		

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	4000
Toilet flushing	3000
Personal cleaning	0
Washing clothes	0
Cooking	10
Cleaning Utensils	0
Washing Vegetables	0

Mopping floors	500
Gardening	1000
Total	8510

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

Where does the water your school uses, come from?

Surface water

Who supplies the water in your school?

Municipality

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?	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?	No
Does your school use a drip or irrigation system?	Yes

No

No documents uploaded by the school.

Task 5: Does your school harvest rainwater?

Do you have Rainwater harvesting (RWH) system in your school?

No

6(a) Calculate your school's rainwater harvesting potential (in litres).

200

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?

26

9 How many hand pumps do you have?

0

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

54

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

	Girls	Boys	Common	Total
Number of toilets	49	39	1	89

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

77

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

0

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

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

Does your school treat wastewater?

Yes

Once a day

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.	asha anasane	asha_71anasane@gmail.com

Administrative staff

Sno.	Name	Email
1.	anju bhutani	

Students

Sno.	Name	Email	Grade/Class
1.	amol krishnani		
2.	harsh kaabra		
3.	videh agrawal		
4.	rutuja mahajan		
5.	nidhi santani		
6.	yashika wanjari		

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

Does your school segregate solid waste?

Yes

1a 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	77	0	77	0	0
Playgrounds	7	0	7	0	0

Common area (e.g. reception, corridors)	20	0	20	0	0
Staffroom	3	0	3	0	0
Laboratory	5	0	5	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	2	0	2	0	0
Library	1	0	1	0	0
Toilets	11	0	11	0	0
Others	0	0	0	0	0
Total	126	0	126	0	0

Supporting Documents

- 1. 20161112_110454.jpg
- 2. 20161112_110459.jpg
- 3. 20161112_110505.jpg

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	5
Kitchen waste	8
Paper	30
Plastic	3
Wood, glass, metal, classroom furniture	10
E-waste	0
Biomedical waste	0.5
Sanitary waste	5
Construction and Demolition (C & D) waste	0

Hazardous waste	0
Total Generated Solid Waste (in kilogram)	61.5

Supporting Documents

1. 20161117_130347.jpg

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?

No

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)









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?

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	0	0	0
VCR or DVD players	0	0	0
Refrigerators and freezers	3	3	0
Washing machines	0	0	0
Air conditioners	6	6	0
Heaters	0	0	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	75	45	30

Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	6	5	1
Printers	7	6	1
Copying equipment (Photocopiers)	3	3	0
Projectors	57	57	0
Whiteboards	57	57	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	4	4	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	19	19	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

Supporting Documents

- 1. 20161112_095400.jpg
- 2. 20161112_105455.jpg
- 3. 20161112_105515.jpg
- 4. 20161112_105617.jpg
- 5. 20161112_105744.jpg

Do you know that your E-waste can be collected by an authorised dealer or dismantler?

Yes

Supporting Documents

1. IMG_20161117_0001.jpg

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?

Yes

Policy document

IMG_20161117_0001.jpg

13

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

Yes

Supporting Documents

- 1. DSC_0922.JPG
- 2. DSC_0923.JPG
- 3. DSCN8958.jpg

What form do these awareness drives take?

By the showcasing of posters and stickers

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. 20161111_122555.jpg



FEEDBACK

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

1(a) If yes, then in which year did your school first participate in the GSP Audit?

2015(not completed)

1(b) If yes, how many times have you done the audit?

1

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

Yes

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?

Better infrastructure & more green cover

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	on for conducting tasks	Average
9	Would your school like to recommend any topic/s the deleted in the audit?	at you strongly feel should be added or
10	Could you finish all the tasks in given period of time on No	online?
11	How many times did you contact the Green Schools counseling? More than twice	Programme Team for guidance and

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?

10.00

Checklist of uploaded documents

- 1. Fuel Bills
- 2. Electricity Bill
- 3. Photographs of lunch boxes
- 4. Pictures of Green Cover
- 5. Pictures of landscaped area
- 6. Pictures of bio-pesticides
- 7. Pictures of dustbins in classroom showing segregation at source
- 8. Pictures of playground with more than two dustbins
- 9. Picture of types of solid waste generated
- 10. Pictures of Electronic items used by school and storage of non-working electronic items
- 11. Certificate of disposing e-waste from authorised dealer/dismantler
- 12. Waste Policy
- 13. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
- 14. Pictures of respective audit teams doing survey