



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Puranchandra Vidyaniketan
Address: Hemant Vihar, Barra-2, Kanpur,
KANPUR, Uttar Pradesh, India
Coordinator Name: Archana Chhabra



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

Puranchandra Vidyaniketan

2

Address

Hemant Vihar, Barra-2, Kanpur, KANPUR, Uttar Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0512 (NUMBER) 2612046

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9473700891

5

Principal Name

Bhaskar Ganti

6

GSP Coordinator Name

Archana Chhabra

7

GSP Coordinator Email

archanakchhabra@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9473700891

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	1450	680	2130
Teachers	28	52	80
Non-Teaching Staff	8	3	11
TOTAL	1486	735	2221

4(b)

How many visitors visit your school

150

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?

Jan, Feb, March, April, May, June, July, Aug

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Nidhi Sahni	Nidhi Sahni

Administrative staff

Sno.	Name	Email
1.	Pramod Kumar Srivastava	pkspcvnkn@gmail.com
2.	Kamlesh Kumar Pal	kkppcvn@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Pooja Gupta	pgupta4837@gmail.com	9
2.	Navya Gupta	navyagupta8@yahoo.co.in	9

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

1 How many classrooms does your school have?

52

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)
UKG-A	472.80	369.80	78.21
UKG-B	472.80	369.80	78.21
1-A	468.00	285.60	61.03
1-B	468.00	285.60	61.03
1-B	468.00	285.60	61.03
6-A	458.40	287.70	62.76
6-B	458.40	287.70	62.76

6-C	458.40	287.70	62.76
11-A	458.40	289.70	63.20
11-B	458.40	289.70	63.20
TOTAL	4,641.60	3,038.90	

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?

School-owned vehicles

3(a)

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	7	2	1	0	10
No. of vehicles more than five years old	4	0	0	0	4
Air conditioned	0	0	0	0	0
No. of vehicles with PUC done	7	0	1	0	8
Parking area (m2)	1950	80	20	0	2050

Supporting Documents

1. IMG_20161011_123255_593.JPG

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	0	0	0	7	0	0
Car	0	0	0	0	0	0
Van	0	1	0	0	0	0
Other vehicles	0	0	0	0	0	0

SUB-TOTAL	0	1	0	7	0	0
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Supporting Documents

1. IMG_20161011_123532_897.JPG
2. IMG_20161011_123549_332.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	193	40	0	233
Public Bus	92	0	0	92
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	211	0	0	211
Taxi four-wheeler	636	0	0	636
Taxi three-wheeler	186	6	0	192
Personal four-wheeler	162	7	1	170
Personal two-wheeler	200	26	10	236
Bicycle	211	0	0	211
On foot	239	1	0	240
Others (non-motorised)	0	0	0	0
SUB-TOTAL	2130	80	11	2221

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

5

How many students suffer from respiratory ailments ?

15

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.	SHIVAM BHATIA	shivambhatiapcvn@gmail.com

Administrative staff

Sno.	Name	Email
1.	PRAMOD KUMAR SRIVASTAVA	
2.	KAMLESH KUMAR PAL	
3.	DEY	
4.	SUDHIR SINGH	

Students

Sno.	Name	Email	Grade/Class
1.	DEYVANG MISHRA		9
2.	CHARCHIT SINGH		9
3.	SHIVAM AWASTHI		9
4.	TANISHA NIGAM		10

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. Untitled.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)	9825	35370.00	5
Electricity from generator (diesel) (litres)	2620	119472.00	1
Petrol (litres)	15	700.50	4
Diesel (litres)	435	19836.00	1
CNG (kilogrammes)	1695.58	88848.39	4
Kerosene (litres)	10	447.00	2
Coal (kilogrammes)	10	264.00	4
Wood (kilogrammes)	15	264.00	4
Animal waste (kilogrammes)	50	900.00	4
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	128	6604.80	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	14803.58	272706.69	

Supporting Documents

1. cng.jpg
2. fuel bill.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	30	1.5	3
Refrigerator	10	40	2
Microwave	0	0	0

Tube Lights	40	40	0
CFL Bulbs	2	15	0
LED Lights	150	20	0
Fans	200	40	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?

300

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.	Archana Sharma	archana22sharma@yahoo.in
2.	Shikha Mehrotra	ajayshikhashikhar@yahoo.co.in

Administrative staff

Sno.	Name	Email
1.	Kamlesh Kumar Pal	kkppcvn@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sheetal Kakkar	kakkarsharad@yahoo.com	8
2.	Aditya Premraj	prem.microc@gmail.com	9
3.	Tanisha Gupta	guptaraj517@gmail.com	6
4.	Aishwarya Singh	ishasinghkv1@gmail.com	8
5.	Riya Bansal	shilpi722@gmail.com	7
6.	koshika Chhabra	archanakchhabra@gmail.com	10
7.	Srishti Malhotra	malhotraatul2010@gmail.com	8
8.	Rachit Kakkar	kakkarsharad@yahoo.com	5
9.	Shresht Malhotra	malhotraatul2010@gmail.com	5
10.	Adhyatma Trivedi	akt11111@hotmail.com	8

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

No documents uploaded by the school.

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

2100.00

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)	6	50	9
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	4	15	9
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	2	5	9
Packaged/Bottled Energy Drinks	0	0	0

Supporting Documents

1. IMG_9867.JPG

4

Does your school serve traditional Indian snacks?

Yes

4(a)

Please provide the details:

	Number of plates sold when on the menu
Samosas	250
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	200

4(b)

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

Khasta

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	50
Sweet lassi	35
Salted butter milk	15
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?

KitKat, Cadbury

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. Rachana Shukla	rassrockrachanaa@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Promod Srivastava	pkspcvnKnp@gmail.com
2.	Mr. K.K. Pal	KKPPcvn@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Amisha Gupta	gupta.amisha1699@gmail.com	12
2.	Jalaj Gupta	guptajalaj@gmail.com	12
3.	Sudeep Krishna	bigbangashwin@rediffmail.com	11
4.	Vidhi Rishi	Vidhirishi37@gmail.com	12
5.	Shivansh Tripathi	PratibhaT253@gmail.com	6

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 ²)	23,158
Ground coverage area	3,874
Green landscaped area on-ground	4,632
Surface parking area	2,050
Play area that is paved/ concrete on ground	1,200
Play area that has grass on ground	11,003
Service Area on ground	400

Roof and terrace area	4,000
Green cover on exposed roof & terrace	50
Total built up/constructed area	15,008
Total no. of floors	2
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	129	2	131
Animals	50	0	50

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. 5.task 2.jpg
2. 7.Task 3 greenery.jpg
3. 19task 7 page 2 collage.jpg
4. 4.task 1 page 2.jpg
5. Untitled.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Archana K Chhabra	archanakchhabra@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Dey	principalpcvn@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Aditya Anand	archanakchhabra@gmail.com	9
2.	Maanit	archanakchhabra@gmail.com	10
3.	Devanshu agarwal	archanakchhabra@gmail.com	7
4.	Vibhor	archanakchhabra@gmail.com	9
5.	Naman	archanakchhabra@gmail.com	9
6.	Aajaney	archanakchhabra@gmail.com	9
7.	Prateek	archanakchhabra@gmail.com	7

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	3050
Toilet flushing	4500
Personal cleaning	150
Washing clothes	0
Cooking	50
Cleaning Utensils	100
Washing Vegetables	50

Mopping floors	150
Gardening	2000
Total	10050

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?

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

=1 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?	No
Do the drinking water points have spill proof taps to check overflow?	No
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?	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?	Yes

Any other step taken for water conservation? (if Yes, please specify)

Yes

Supporting Documents

1. water.docx

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).

20

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?

49

9

How many hand pumps do you have?

0

10

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

125

11

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

	Girls	Boys	Common	Total
Number of toilets	10	15	19	44

12

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

67

13

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

10

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?

No

18

Does your school reuse the treated wastewater?

Yes

18(a)

How does your school reuse wastewater?

Gardening, Recharge Ground Water

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Shuma	archanakchhabra@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Dey	
2.	Mr. Sudhir	

Students

Sno.	Name	Email	Grade/Class
1.	Suyasha Dwivedi		10
2.	Khushi Yadav		10
3.	Apoorva Shukla		10
4.	Suparn Chaturvedi		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. 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	55	0	55	0	0
Playgrounds	4	0	0	2	2
Common area (e.g. reception, corridors)	0	0	0	0	0
Staffroom	5	0	2	2	1
Laboratory	5	0	5	0	0
Canteen	2	0	1	1	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	7	0	4	0	3
Others	0	0	0	0	0
Total	80	0	69	5	6

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	25
Kitchen waste	600
Paper	90
Plastic	5
Wood, glass, metal, classroom furniture	12
E-waste	2
Biomedical waste	1
Sanitary waste	.05
Construction and Demolition (C & D) waste	500
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

1235.05

No documents uploaded by the school.

Task 4: How much waste does your school recycle/treat?

4

Does your school recycle any generated waste?

Yes

4a

Please provide quantity of which is applicable. (in kilogram)

	Quantity
Garden/ horticulture waste	1000
Kitchen waste	500
Paper	400
Plastic	600
Wood, glass, metal, classroom furniture	300
E-waste	400
Biomedical waste	500
Sanitary waste	300
Construction and Demolition (C & D) waste	400
Hazardous waste	300
Total (in kilogram)	4700

5

Does your school have a composting facility?

Yes

No documents uploaded by the school.

5a

What is the methodology used?

Mechanical composting (with electricity/ machines)

5b

What is the quantity of compost that is generated per month(in kilogram)?

600.00

5c

What is the purpose of the compost that is generated per month?

For 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?

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	5	5	0
VCR or DVD players	1	1	0
Refrigerators and freezers	2	2	0
Washing machines	0	0	0
Air conditioners	58	57	1
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)	215	215	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	5	5	0
Copying equipment (Photocopiers)	2	2	0
Projectors	8	8	0

Whiteboards	20	20	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	7	7	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	5	5	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?

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 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?

2007

1(b)

If yes, how many times have you done the audit?

9

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 are trying to save rain water. And also trying to get solar panels..

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?

6.00

Checklist of uploaded documents

1. PUC certificates of not more than five buses
2. Picture of Air Quality Monitoring equipment of school
3. Fuel Bills
4. Electricity Bill
5. Traditional food items sold in canteen
6. Pictures of Green Cover
7. Pictures of landscaped area