



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: SIR PADAMPAT SINGHANIA SCHOOL
Address: NH 76, BARAN ROAD, Kota, Kota,
Rajasthan, India
Coordinator Name: Ms. Usha Dixit



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

SIR PADAMPAT SINGHANIA SCHOOL

2

Address

NH 76, BARAN ROAD, Kota, Kota, Rajasthan, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 0744 (NUMBER) 2329090

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9413554452

5

Principal Name

Ms. Monika Paliwal

6

GSP Coordinator Name

Ms. Usha Dixit

7

GSP Coordinator Email

dixush@hotmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8239582245

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	1380	920	2300
Teachers	24	75	99
Non-Teaching Staff	40	10	50
TOTAL	1444	1005	2449

4(b)

How many visitors visit your school

150

5

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

218

6

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

Oct, Nov

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	REETIBALA JAIN	REETIBALA JAIN
2.	SUTAPA DAS	sutapadas082.spss@gmail.com
3.	SHALINI SRIVASTAVA	shaliniosi.spss@gmail.com

Administrative staff

Sno.	Name	Email
1.	S N SUMAN	snsuman69@gmail.com
2.	MOHAN MEENA	mimeena.spssadm@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	anuj gupta	kotaspss@gmail.com	8
2.	AVNI JAIN	kotaspss@gmail.com	7
3.	SAKSHI VAYA	kotaspss@gmail.com	9
4.	TANISHA JAIN	kotaspss@gmail.com	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)
NURSERY	600.00	122.00	20.33
H KG	600.00	122.00	20.33
I A	600.00	122.00	20.33
II A	600.00	122.00	20.33

VII A	891.00	170.00	19.08
VIII A	891.00	170.00	19.08
IX A	891.00	170.00	19.08
X A	891.00	170.00	19.08
XII M1	744.00	158.00	21.24
XI COMM.	744.00	158.00	21.24
TOTAL	7,452.00	1,484.00	

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	0	1	1	0	2
No. of vehicles more than five years old	0	0	0	0	0
Air conditioned	0	1	1	0	2
No. of vehicles with PUC done	0	1	1	0	2
Parking area (m2)	1319.22	0	0	0	1319.22

Supporting Documents

1. 1.jpg
2. scan0020.jpg
3. scan0021.jpg
4. scan0022.jpg
5. scan0023.jpg

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	27	0	0	0	0	0
Car	1	0	0	0	0	0
Van	0	0	0	0	0	1
Other vehicles	0	0	0	0	0	0
SUB-TOTAL	28	0	0	0	0	1

No documents uploaded by the school.

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	1757	52	0	1809
Public Bus	0	0	0	0
School Transport(Other than bus)	70	1	0	71
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	0	1	0	1
Personal four-wheeler	30	9	0	39
Personal two-wheeler	120	24	38	182
Bicycle	30	1	4	35
On foot	300	10	2	312
Others (non-motorised)	0	0	0	0
SUB-TOTAL	2307	98	44	2449

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

5

How many students suffer from respiratory ailments ?

5

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.	ARPITA DEY	asarpitasaha@gmail.co
2.	REETIBALA JAIN	amitjain69966@gmail.com
3.	USHA DIXIT	dixush@hotmail.com

Administrative staff

Sno.	Name	Email
1.	MUKESH CHAUDHARY	mukeshcha1969@gmail.com
2.	manish singh	manish songara@yahoo.in

Students

Sno.	Name	Email	Grade/Class
1.	mannat bagga	kotaspss@gmail.com	9
2.	anshul maheswari	kotaspss@gmail.com	9
3.	GARGI GUPTA	kotaspss@gmail.com	9
4.	VATSAL MATHUR	kotaspss@gmail.com	9

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

No documents uploaded by the school.

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)	8755	31518.00	1
Electricity from generator (diesel) (litres)	300	13680.00	1
Petrol (litres)	5	233.50	4
Diesel (litres)	45	2052.00	4
CNG (kilogrammes)	240	12576.00	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)	27.44	1415.90	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	9372.44	61475.40	

Supporting Documents

1. scan0025.jpg
2. scan0026.jpg
3. scan0027.jpg
4. scan0028.jpg
5. scan0029.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	11	1.5	5
Refrigerator	3	175	3
Microwave	1	18	3

Tube Lights	300	40	1
CFL Bulbs	240	25	1
LED Lights	20	25	1
Fans	400	25	1

Supporting Documents

1. IMG_1639.JPG
2. IMG_1644.JPG
3. IMG_1645.JPG
4. IMG_1647.JPG
5. IMG_1648.JPG

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

5

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

305

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.	usha dixit	dixush@hotmail.com
2.	sutapa das	sutapadas082.spss@gmail.com
3.	shilpa saxena	shilpasaxena78@gmail.com

Administrative staff

Sno.	Name	Email
1.	vandana saxena	jitendra1668@yahoo.com
2.	mukesh chaudhary	mukeshcha1969@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	madhav goyal	kotaspss@gmail.com	10
2.	mansi bhandari	kotaspss@gmail.com	10
3.	shaurya dixit	kotaspss@gmail.com	10
4.	palak puniya	kotaspss@gmail.com	10

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_1640.JPG
2. IMG_1643.JPG

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

2000.00

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

No documents uploaded by the school.

4

Does your school serve traditional Indian snacks?

No

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?

Yes

7(a)

Please provide the names?

5-star 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.	surekha nigam	surekhamanu71@gmail.com
2.	shalini srivastav	shaliniosi.spss@gmail.com

Administrative staff

Sno.	Name	Email
1.	mohan meena	mimeena.spssadm@gmail.com
2.	manish singh	manish songara@yahoo.in

Students

Sno.	Name	Email	Grade/Class
1.	priyal jain	kotaspss@gmail.com	10
2.	kushangi jha	kotaspss@gmail.com	10
3.	anchita sethia	kotaspss@gmail.com	10
4.	ram gaur	kotaspss@gmail.com	10
5.	param	kotaspss@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 (m ²)	28,328
Ground coverage area	3,138
Green landscaped area on-ground	13,521
Surface parking area	1,319
Play area that is paved/ concrete on ground	1,062
Play area that has grass on ground	1,068
Service Area on ground	111

Roof and terrace area	3,139
Green cover on exposed roof & terrace	0
Total built up/constructed area	5,330
Total no. of floors	8
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	93	10	103
Animals	55	10	65

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.jpg
- IMG_1652.JPG
- IMG_1654.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	usha dixit	dixush@hotmail.com
2.	supriya das	supriya123d@gmail.com

Administrative staff

Sno.	Name	Email
1.	mukesh chaudhary	mukeshcha1969@gmail.com
2.	mohan meena	mimeena.spssadm@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	aditya rajput	kotaspp@gmail.com	10
2.	aryan vashishtha	kotaspp@gmail.com	10
3.	kamakshi joshi	kotaspp@gmail.com	10
4.	kiran meena	kotaspp@gmail.com	10
5.	prakhar charan	kotaspp@gmail.com	10

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	8000
Toilet flushing	6000
Personal cleaning	2000
Washing clothes	1000
Cooking	600
Cleaning Utensils	400
Washing Vegetables	1000

Mopping floors	1000
Gardening	10000
Total	30000

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

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

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

No

Supporting Documents

1. IMG_1656.JPG
2. IMG_1657.JPG
3. IMG_1658.JPG
4. IMG_1674.JPG
5. IMG_1689.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).

3255

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?

120

9 How many hand pumps do you have?

0

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

60

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

	Girls	Boys	Common	Total
Number of toilets	36	36	0	72

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

58

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

24

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.	mitesh chauhan	miteshchauhankota@gmail.com
2.	shilpa saxena	shilpasaxena78@gmail.com

Administrative staff

Sno.	Name	Email
1.	pratibha sharma	pratibhasharma@gmail.com
2.	mohan meena	mimeena.spssadm@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	rohit jain	kotaspss@gmail.com	10
2.	shadab	kotaspss@gmail.com	10
3.	sanskar	kotaspss@gmail.com	10
4.	princy gautam	kotaspss@gmail.com	10
5.	gaurav barwal	kotaspss@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. Housekeeping (Sweeper)

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	52	0	0	52	0
Playgrounds	22	10	12	0	0
Common area (e.g. reception, corridors)	30	0	30	0	0
Staffroom	7	0	0	7	0
Laboratory	32	0	25	7	0
Canteen	2	0	0	2	0
Clinic/ Sick room	4	0	1	0	3
Library	4	0	4	0	0
Toilets	62	0	31	31	0
Others	36	0	27	9	0
Total	251	10	130	108	3

Supporting Documents

1. IMG_1650.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	30
Kitchen waste	1
Paper	45
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0

Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	76

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	30
Kitchen waste	1
Paper	45
Plastic	2
Wood, glass, metal, classroom furniture	3
E-waste	1
Biomedical waste	1
Sanitary waste	1
Construction and Demolition (C & D) waste	10
Hazardous waste	1
Total (in kilogram)	95

5

Does your school have a composting facility?

Yes

Supporting Documents

1. IMG_1680.JPG

2. IMG_1681.JPG

5a

What is the methodology used?

Other: vermicomposting

5b

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

10.00

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?

Yes

Supporting Documents

1. IMG_1662.JPG

9a

Where does your school burn waste?

Inside 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	2	1	1
VCR or DVD players	3	3	0
Refrigerators and freezers	3	3	0
Washing machines	0	0	0
Air conditioners	11	11	0
Heaters	1	1	0
Microwaves	1	1	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	1	1	0

Personal computers (CPU, mouse, screen and keyboard included)	90	90	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	12	12	0
Copying equipment (Photocopiers)	2	2	0
Projectors	55	55	0
Whiteboards	55	55	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	20	20	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	34	34	0
Pay telephones	0	0	0
Mobiles	1	1	0
Answering systems	0	0	0

Supporting Documents

1. IMG_1675.JPG
2. IMG_1682.JPG
3. IMG_1686.JPG
4. IMG_1690.JPG
5. IMG_1691.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 extracurricular activities such as guest lectures

14

Is the study of the environment integrated into the curriculum?

No

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?

2014

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?

construct water recharge and harvesting structures

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.

food section should be made optional

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?

30.00

Checklist of uploaded documents

1. PUC certificates of not more than five buses
2. Fuel Bills
3. Electricity Bill
4. Picture of 5 star appliances used by school
5. Photographs of lunch boxes
6. Pictures of Green Cover
7. Pictures of landscaped area
8. Building construction plan
9. Pictures of dustbins in classroom showing segregation at source
10. Pictures of playground with more than two dustbins
11. Picture of types of solid waste generated
12. Pictures of burning waste
13. Pictures of Electronic items used by school and storage of non-working electronic items