



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Govt. Sen. Sec. Model School ,P.A.U.
Address: Principal ,Govt. Sen. Sec. Model School
,P.A.U., Ludhiana , Ludhiana, Ludhiana,
Punjab, India
Coordinator Name: kiran gupta



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

Govt. Sen. Sec. Model School ,P.A.U.

2

Address

Principal ,Govt. Sen. Sec. Model School ,P.A.U., Ludhiana , Ludhiana, Ludhiana, Punjab, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 161 (NUMBER) 2401960

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9814651847

5

Principal Name

Sanjeev Thapar

6

GSP Coordinator Name

kiran gupta

7

GSP Coordinator Email

kiranbkgupta@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9855104370

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?

State Board of Education (please select name of your state from the list below if applicable)

State: Punjab

4

Total permanent population of the school

	Male	Female	Total
Students	789	736	1525
Teachers	6	48	54
Non-Teaching Staff	3	1	4
TOTAL	798	785	1583

4(b)

How many visitors visit your school

1200

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?

Sep, Oct, Nov

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Kiran Gupta	Kiran Gupta
2.	Babita Aggarwal	babita_ag_in@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Harjeet singh	
2.	Rajinder singh	

Students

Sno.	Name	Email	Grade/Class
1.	Lovejeet singh		9
2.	Sunpreet Singh		9
3.	Gagandeep Singh		9
4.	Ramanpreet Singh		9
5.	Pratishtha Kumari		9
6.	Priyanka		9
7.	Khushi		9
8.	Ridhi		9
9.	Ritu		9
10.	Yashika Sharma		9

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

1 How many classrooms does your school have?

35

2 Window-floor ratio of classrooms in the school.

Details of the classroom (e.g. Class II section b)	$X = \text{Area of floor (LxB)}$	$Y = \text{Area of openings (LxH)}$	Percentage of the floor area being ventilated ($Y/X \times 100$)
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1a	380.00	74.00	19.47
2a	380.00	74.00	19.47
3b	380.00	74.00	19.47
4a	380.00	74.00	19.47
5a	380.00	74.00	19.47
6a	380.00	74.00	19.47
6b	380.00	74.00	19.47
7a	380.00	74.00	19.47
9b	380.00	74.00	19.47
10b	380.00	74.00	19.47
TOTAL	3,800.00	740.00	

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?

School does not use or own vehicles

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	0	0	0	0
Public Bus	200	0	0	200
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	200	2	2	204
Taxi four-wheeler	419	0	0	419
Taxi three-wheeler	504	5	2	511
Personal four-wheeler	0	12	0	12
Personal two-wheeler	0	33	0	33

Bicycle	175	0	0	175
On foot	27	2	0	29
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1525	54	4	1583

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

5

How many students suffer from respiratory ailments ?

16

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.	kiran gupta	kiranbkgupta@gmail.com
2.	babita aggarwal	babita_ag_in@yahoo.com

Administrative staff

Sno.	Name	Email
1.	harjeet singh	

Students

Sno.	Name	Email	Grade/Class
1.	Manpreet kaur		8
2.	Mandeep Kaur		8
3.	Komal sharma		8
4.	anupam		8
5.	mandeep kaur		8
6.	khushi singh		8
7.	arshdeep kaur		8
8.	rajni verma		8
9.	yashika sharma		9
10.	ritu		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?

No

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)	5000	18000.00	1,5
Electricity from generator (diesel) (litres)	20	912.00	1
Petrol (litres)	0	0.00	0
Diesel (litres)	0	0.00	0
CNG (kilogrammes)	0	0.00	0
Kerosene (litres)	7	312.90	3
Coal (kilogrammes)	0	0.00	0
Wood (kilogrammes)	1000	17600.00	3
Animal waste (kilogrammes)	0	0.00	0
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	14	722.40	3
Piped Natural Gas (kilogrammes)	0	0.00	00
TOTAL	6041.00	37547.30	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
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Air Conditioners	0	0	0
Refrigerator	0	0	0
Microwave	0	0	0
Tube Lights	175	40	T8
CFL Bulbs	15	28	3
LED Lights	0	0	0
Fans	160	75	3

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?

330

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.	kiran gupta	kiranbkgupta@gmail.com
2.	babita aggarwal	babita_ag_in@yahoo.com

Administrative staff

Sno.	Name	Email
1.	nisha	
2.	pankaj	

Students

Sno.	Name	Email	Grade/Class
1.	khushi singh		8
2.	arshdeep kaur		8
3.	rajni verma		8
4.	manpreet kaur		8
5.	mandeep kaur		8
6.	komal sharma		8
7.	anupam		8
8.	ritika sharma		8
9.	anshdeep kaur		8
10.	nidhi sharma		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?

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	5	3000	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	10
Potato fries and Burgers	0	0	10
Confectionery items (chocolate, candies, gums)	20	3000	10
Ice-cream	0	0	10
Carbonated beverages	6	1200	10
Sugar sweetened noncarbonated beverages	0	0	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	4	250	10
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?

Yes

6(a) Please provide details

biscuits

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?

No

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	kiran gupta	kiranbkgupta@gmail.com
2.	babita aggarwal	babita_ag_in@yahoo.com

Administrative staff

Sno.	Name	Email
1.	harjeet singh	

Students

Sno.	Name	Email	Grade/Class
1.	komal sharma		8
2.	ritika sharma		8
3.	anupam		8
4.	lovejeet singh		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)	34,500
Ground coverage area	19,650
Green landscaped area on-ground	1,150
Surface parking area	1,600
Play area that is paved/ concrete on ground	480
Play area that has grass on ground	11,500
Service Area on ground	100
Roof and terrace area	19,650

Green cover on exposed roof & terrace	0
Total built up/constructed area	19,650
Total no. of floors	1
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	100	6	106
Animals	2	0	2

Task 4: Find out if your school uses pesticides

4

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

No

No documents uploaded by the school.



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	kiran gupta	kiranbkgupta@gmail.com
2.	babita aggarwal	babita_ag_in@yahoo.com

Administrative staff

Sno.	Name	Email
1.	harjeet singh	

Students

Sno.	Name	Email	Grade/Class
1.	pratishtha kumari		9
2.	priyanka		9
3.	navjot kaur		9
4.	ramanpreet singh		9
5.	anmol kumar		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	1000
Toilet flushing	1200
Personal cleaning	50
Washing clothes	20
Cooking	50
Cleaning Utensils	200
Washing Vegetables	50

Mopping floors	20
Gardening	600
Total	3190

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?

No

4(b) If supply of water is not daily, please tick the correct option

=1 day

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?	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?

No

6(a)

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

1000000

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?

20

9

How many hand pumps do you have?

0

10

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

0

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

	Girls	Boys	Common	Total
Number of toilets	12	11	0	23

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

13

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

4

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

Once 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.	kiran gupta	kiranbkgupta@gmail.com
2.	babita aggarwal	babita_ag_in@yahoo.com

Administrative staff

Sno.	Name	Email
1.	harjeet singh	

Students

Sno.	Name	Email	Grade/Class
1.	mansi		9
2.	navjot kaur		9
3.	samriddhi		9
4.	deepak kumar		9
5.	sunpreet singh		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	31	0	31	0	0
Playgrounds	5	0	5	0	0
Common area (e.g. reception, corridors)	5	0	5	0	0
Staffroom	5	0	5	0	0
Laboratory	2	0	2	0	0
Canteen	2	0	2	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	8	0	8	0	0
Others	1	0	1	0	0
Total	60	0	60	0	0

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	5
Kitchen waste	20
Paper	15
Plastic	1
Wood, glass, metal, classroom furniture	1
E-waste	0
Biomedical waste	0
Sanitary waste	2
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total Generated Solid Waste (in kilogram)

44

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?

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

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	1	1	0
VCR or DVD players	0	0	0
Refrigerators and freezers	0	0	0
Washing machines	0	0	0
Air conditioners	0	0	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)	40	20	20
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	1	1	0
Copying equipment (Photocopiers)	0	0	0
Projectors	0	0	0

Whiteboards	25	25	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	2	2	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?

Authorised dismantler

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 , 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?

2015

1(b)

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

2

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?

No

6(a)

If no, why?

rainwater harvesting system cant be installed due to cost

7

What would be the help required to make your school a Green School?

1) More financial aids to carry some activities 2) Trainers or Resource persos to encourage and motivate the students as well as teachers

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?

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?

40.00

Checklist of uploaded documents

1. Electricity Bill
2. Picture of Mid-day meal being served
3. Picture of Canteen selling UPPF
4. Pictures of landscaped area
5. Pictures of dustbins in classroom showing segregation at source
6. Picture of audit team weighing solid waste
7. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
8. Pictures of respective audit teams doing survey