

# Responses for Green Schools Programme Audit 2016

School Name: Government senior secondary

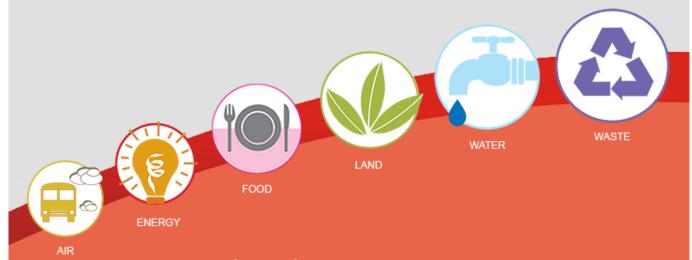
school, Mandhali

Address: V.P.O.-Mandhali Teh-Banga, Near

Phagwara, Shahid Bhagat Singh Nagar,

Punjab, India

Coordinator Name: Pardeep singh



## 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**

4	Name	of the	School /	Institution
1	Hairio	OI TITO	00110017	montation

Government senior secondary school, Mandhali

2 Address

V.P.O.-Mandhali Teh-Banga, Near Phagwara, Shahid Bhagat Singh Nagar, Punjab, India

Telephone Number (Landline Number with STD code)

(ISD) 0091 (STD) 1823 (NUMBER) 283715

Mobile Number (Mobile Number with STD code)

(ISD) 0091 (Number) 9463692142

5 Principal Name

Sham Lal

6 GSP Coordinator Name

Pardeep singh

GSP Coordinator Email

pschouhan99@gmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 9876576578

Category Of The School

Day Scholar

School Shifts

Morning

## **GENERAL QUESTIONS**

How many levels does your school have?

Lowest level of grade:6 Highest level of grade:12

ls your school single gender or mixed gender?

Mixed/Co-education

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

Total permanent population of the school

	Male	Female	Total
Students	258	115	373
Teachers	6	7	13
Non-Teaching Staff	2	0	2
TOTAL	266	122	388

4(b) How many visitors visit your school

80

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

234

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

Aug, Sep, Oct

Where is the school located?

Rural Area



### Task 1: Air Audit Team

#### **Teachers**

Sno.	Name	Email
1.	Pardeep Singh	Pardeep Singh
2.	Harpreet Kaur	Harpreet11121985@gmail.com
3.	Kulwinder Kaur	BasraKK2001@gmail.com

### **Administrative staff**

Sno.	Name	Email
1.	Sham Lal	Kainthsham@gmail.com
2.	Shakti Kumar	mahindrusk@gmail.com

### **Students**

Sno.	Name	Email	Grade/Class
1.	MandeepKaur		8
2.	Harpinder Kaur		8
3.	Simran Kaur		7
4.	Pooja		8
5.	Lovepreet Kaur		8
6.	Yudhvir Singh		9
7.	Jujhar Singh		6
8.	Rajni		9
9.	Dimple		9
10.	Muskan		9

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

1 How many classrooms does your school have?

11

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)
6A	53.44	14.99	28.05
7A	52.16	9.16	17.56
7B	49.08	14.22	28.97
8	54.38	20.00	36.78
9A	50.39	16.15	32.05
9B	54.53	16.27	29.84
10A	48.26	20.68	42.85
10B	38.70	12.70	32.82
11	48.54	22.11	45.55
12	42.18	20.70	49.08
TOTAL	491.66	166.98	

### 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?

School does not use or own 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	0	0	0
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	0	0	0	0
Taxi three-wheeler	0	2	0	2

Personal four-wheeler	0	2	0	2
Personal two-wheeler	0	9	0	9
Bicycle	115	0	2	117
On foot	255	2	1	258
Others (non-motorised)	0	0	0	0
SUB-TOTAL	370	15	3	388

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



0

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.	Pardeep Singh	pschouhan99@gmail.com
2.	Harpreet Kaur	harpreet11121985@gmail.com
3.	Kulwinder Kaur	basrakk2001@gmail.com

### **Administrative staff**

Sno.	Name	Email
1.	Sham Lal	kainthsham@gmail.com
2.	Shakti Kumar	mahindrusk@yahoo.in

#### **Students**

Sno.	Name	Email	Grade/Class
1.	Mandeep Kaur		8a
2.	Harpinder Kaur		8a
3.	Simran Kaur		7a
4.	Lovepreet kaur		8a
5.	Yudhvir Singh		9a
6.	Jujhar Singh		6a
7.	Rajni		9a
8.	Dimple		9b
9.	Muskan		9b
10.	Pooja		8a

# Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

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)	640	NaN	lighting
Electricity from generator (diesel) (litres)	30	1368.00	lighting
Petrol (litres)	0	0.00	na
Diesel (litres)	0	0.00	na
CNG (kilogrammes)	0	0.00	na
Kerosene (litres)	0	0.00	na
Coal (kilogrammes)	0	0.00	na
Wood (kilogrammes)	300	5280.00	cooking
Animal waste (kilogrammes)	0	0.00	na
Solar (kwh)	0	0.00	na
Wind (kwh)	0	0.00	na
LPG (kilogrammes)	3.5	180.60	cooking
Piped Natural Gas (kilogrammes)	0	0.00	na
TOTAL	NAN	NAN	

	Number	Size	BEE Star Rating
Air Conditioners	0	0	N.A
Refrigerator	0	0	N.A
Microwave	0	0	N.A
Tube Lights	23	40	N.A
CFL Bulbs	15	9	N.A
LED Lights	0	0	N.A
Fans	45	90	N.A

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





No documents uploaded by the school for energy chapter.



### **Task 1: Food Audit Team**

#### **Teachers**

Sno.	Name	Email
1.	Pardeep Singh	pschouhan99@gmail.com
2.	Harpreet Kaur	harpreet11121985@gmail.com
3.	Kulwinder Kaur	basrakk2001@gmail.com

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2.	Shakti Kumar	mahindrusk@yahoo.in

#### **Students**

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2.	Harpinder Kaur		8
3.	Pooja		8
4.	Simran Kaur		7
5.	Lovepreet Kaur		8
6.	Yudhvir Singh		9
7.	Rajni		9
8.	Jujhar Singh		6
9.	Dimple		9
10.	Muskan		9

## 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

2 Does your school serve midday meals?

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.

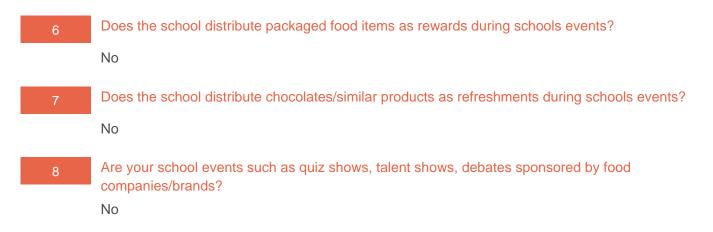
Does your school serve traditional Indian snacks?

No

Does your school serve traditional Indian beverages?

No

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





## **Task 1: Land Audit Team**

### **Teachers**

Sno.	Name	Email
1.	Pardeep singh	pschouhan99@gmail.com
2.	Harpeet kaur	harpreet11121985@gmail.com
3.	Kulwinder kaur	basrakk2001@gmail.com

### **Administrative staff**

Sno.	Name	Email
1.	Sham lal	kainthsham@gmail.com
2.	Shakti kumar	mahindrusk@yahoo.in

#### **Students**

Sno.	Name	Email	Grade/Class
1.	Mandeep kaur		8
2.	Harpinder kaur		8
3.	Pooja		8
4.	Simran kaur		7
5.	Lovepreet kaur		8
6.	Yudhvir Singh		9
7.	Rajni		9
8.	Jujhar Singh		6
9.	Dimple		9
10.	Muskan		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)	12,129
Ground coverage area	2,298

#### 14 of 27

Green landscaped area on-ground	408
Surface parking area	164
Play area that is paved/ concrete on ground	359
Play area that has grass on ground	9,832
Service Area on ground	0
Roof and terrace area	822
Green cover on exposed roof & terrace	0
Total built up/constructed area	3,120
Total no. of floors	1
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	25	9	34
Animals	8	0	8

## Task 4: Find out if your school uses pesticides

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

No



## WATER

### **Task 1: Water Audit Team**

#### **Teachers**

Sno.	Name	Email
1.	Pardeep Singh	pschouhan99@gmail.com
2.	Hapreet Kaur	harpreet11121@gmail.com
3.	Kulwinder kaur	basrakk2001@gmail.com

### **Administrative staff**

Sno.	Name	Email
1.	Sham Lal	kainthsham@gmail.com
2.	Shakti Kumar	Mahindrusk@yahoo.com

### **Students**

Sno.	Name	Email	Grade/Class
1.	Mandeep Kaur		8
2.	Harpinder kaur		8
3.	Simran Kaur		7
4.	Pooja		8
5.	Yudhvir Singh		9
6.	Rajni		9
7.	Jujhar Singh		6
8.	Dimple		9
9.	Muskan		9
10.	Lovepreet kaur		8

# Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)	
Drinking	500	
Toilet flushing	1000	

Personal cleaning	400
Washing clothes	0
Cooking	60
Cleaning Utensils	140
Washing Vegetables	20
Mopping floors	80
Gardening	300
Total	2500

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

2	Where	does the	e water y	our school	uses,	come from?
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Ground water

Who supplies the water in your school?

School's own supply (bore well, rainwater harvesting facility, etc)

Does your school get daily water supply?

Yes

4(a) If supply of water is daily, please tick the correct option

7-12 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?	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?	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?	Yes
Does your school use a drip or irrigation system?	No
Any other step taken for water conservation? (if Yes, please specify)	No

### 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).

1346580

## 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?

24

How many hand pumps do you have?

0

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

4

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

	Girls	Boys	Common	Total
Number of toilets	12	10	0	22

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

11

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

0

Is there a water storage system in place to supply water in the toilets?

Yes

ls the water supply sufficient?

Yes

Are the toilets cleaned?

Yes

16(a) If yes, please specify

Once a day

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

Does your school treat wastewater?

No

Does your school reuse the treated wastewater?

No

18(a)

Please specify the fate of wastewater

Wastewater flows directly to the drains



### **Task 1: Waste Audit Team**

#### **Teachers**

Sno.	Name	Email
1.	Pardeep Singh	pschouhan99@gmail.com
2.	Harpreet kaur	harpreet11121@gmail.com
3.	Kulwinder Kaur	basrakk2001@gmail.com

### **Administrative staff**

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2.	Mandeep kaur		8
3.	Poooja		8
4.	Lovepreet kaur		8
5.	Simran kaur		7
6.	Yudhvir singh		9
7.	Rajni		9
8.	Jujhar		6
9.	Muskan		9
10.	Dimple		9

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

Does your school segregate solid waste?

Yes

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	11	0	10	1	0
Playgrounds	2	2	0	0	0
Common area (e.g. reception, corridors)	3	0	3	0	0
Staffroom	2	0	2	0	0
Laboratory	7	4	2	1	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	1	0	0	0
Toilets	13	9	4	0	0
Others	0	0	0	0	0
Total	39	16	21	2	0

No documents uploaded by the school.

## 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	305
Kitchen waste	241
Paper	238
Plastic	32
Wood, glass, metal, classroom furniture	243
E-waste	3
Biomedical waste	0

Sanitary waste	156
Construction and Demolition (C & D) waste	21
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1239

## 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	×	×	<b>✓</b>	×
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?

Open dumping

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	1	1	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	25	25	0

Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	3	3	0
Copying equipment (Photocopiers)	1	1	0
Projectors	1	1	0
Whiteboards	1	1	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	2	2	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	2	2	0
Pay telephones	0	0	0
Mobiles	22	22	0
Answering systems	0	0	0

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

### Task 6: School's initiatives



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

Yes

What form do these awareness drives take?

As part of the curriculum

14

Is the study of the environment integrated into the curriculum?

Yes



### **FEEDBACK**

1	Has your school participated in the Green Schools Programme (GSP) Audit before?
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No

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

No

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?

No

6(a) If no, why?

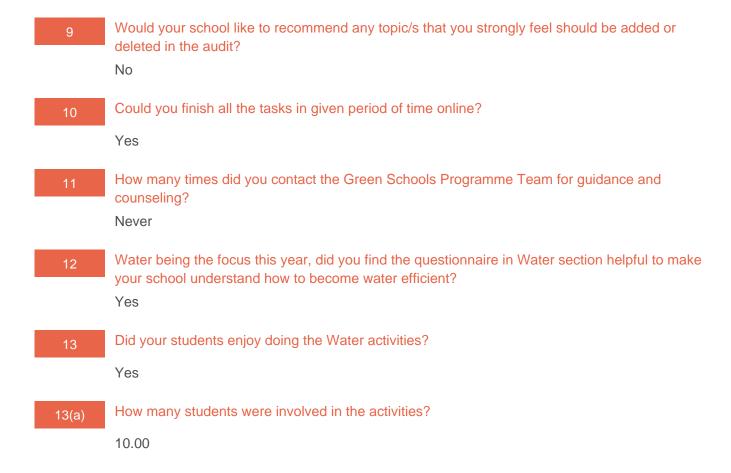
Lack of funds

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

Avail easy and flexible funding

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



### **Checklist of uploaded documents**

1. Electricity Bill