



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: GOVT. SR.SEC. SCHOOL MADHOPUR
CANTT

Address: VILLAGE& POST OFFICE MADHOPUR
CANTT, MADHOPUR CANTT, Pathankot,
Punjab, India

Coordinator Name: SIDHARATH CHANDER



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. SR.SEC. SCHOOL MADHOPUR CANTT

2

Address

VILLAGE& POST OFFICE MADHOPUR CANTT, MADHOPUR CANTT, Pathankot, Punjab, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 1870 (NUMBER) 257338

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9815429779

5

Principal Name

RAM MURTI SHARMA

6

GSP Coordinator Name

SIDHARATH CHANDER

7

GSP Coordinator Email

sidharath064@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9463466647

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:6

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?

International Baccalaureate (IB)/International General Certificate of Secondary Education (IGCSE) combination

4

Total permanent population of the school

	Male	Female	Total
Students	219	196	415
Teachers	27	0	27
Non-Teaching Staff	05	03	8
TOTAL	251	199	450

4(b)

How many visitors visit your school

450

5

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

220

6

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

Oct

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	SIDHARATH CHANDER	SIDHARATH CHANDER

Administrative staff

Sno.	Name	Email
1.	MR CHANDER SINGH	gsss.madhopur.ptk@gmail.com
2.	MR ARJUN	
3.	MR MUKESH	

Students

Sno.	Name	Email	Grade/Class
1.	PANKAJ KUMAR		9
2.	JASVEER		9
3.	ISHA		9
4.	HARDEEP SINGH		9
5.	AMIT SINGH		9
6.	RASHMI		9
7.	SANJEEV KUMAR		10
8.	BHANU PARTAP		10
9.	SHYANA		9
10.	DEEPAKSHI		9

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

1 How many classrooms does your school have?

11

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)
---	----------------------------	-------------------------------	--

6TH	37.26	10.52	28.23
7th	28.90	8.11	28.06
8th	30.08	10.54	35.04
9th A	44.89	9.99	22.25
9thB	43.38	10.44	24.07
10th A	42.90	10.44	24.34
10thB	43.12	6.87	15.93
11th	47.12	6.66	14.13
12th A	42.40	6.48	15.28
12thB	42.40	16.92	39.91
TOTAL	402.45	96.97	

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	0	16	0	16	32
No. of vehicles more than five years old	0	3	0	5	8
Air conditioned	0	13	0	0	13
No. of vehicles with PUC done	0	0	0	0	0
Parking area (m2)	0	200	0	0	200

No documents uploaded by the school.

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	0	0	0	0	0	0
Car	3	13	0	0	0	0
Van	0	0	0	0	0	0
Other vehicles	0	16	0	0	0	0
SUB-TOTAL	3	29	0	0	0	0

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
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)	2	1	1	4
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	14	1	15
Personal two-wheeler	2	12	2	16
Bicycle	100	0	1	101
On foot	311	0	3	314
Others (non-motorised)	0	0	0	0
SUB-TOTAL	415	27	8	450

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

5

How many students suffer from respiratory ailments ?

0

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.	SIDHARATH CHANDER	sidharath064@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR CHANDER SINGH	
2.	MR ARJUN SINGH	

Students

Sno.	Name	Email	Grade/Class
1.	PANKAJ KUMAR	sidharath064@gmail.com	9
2.	JASVEER		9
3.	ISHA		9
4.	HARDEEP SINGH		9
5.	RASHMI		9
6.	SHAYANA		9
7.	DEEPAKSHI		9
8.	AMIT SINGH		9
9.	SANJEEV KUMAR		10
10.	BHANU PATAP		10

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)	300	1080.00	1,5
Electricity from generator (diesel) (litres)	20	912.00	1,5
Petrol (litres)	200	9340.00	4
Diesel (litres)	100	4560.00	4
CNG (kilogrammes)	0	0.00	0
Kerosene (litres)	0	0.00	0
Coal (kilogrammes)	0	0.00	0
Wood (kilogrammes)	200	3520.00	3
Animal waste (kilogrammes)	0	0.00	0
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	28	1444.80	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	848.00	20856.80	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
--	--------	------	-----------------

Air Conditioners	0	0	0
Refrigerator	1	80	5
Microwave	0	0	0
Tube Lights	10	40	0
CFL Bulbs	10	25	0
LED Lights	14	15	0
Fans	58	50	0

Supporting Documents

1. P1040873.JPG

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

5

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

200

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.	SIDHARATH CHANDER	sidharath064@gmail.com

Administrative staff

Sno.	Name	Email
1.	CHANDER SINGH	
2.	ARJUN SINGH	
3.	MUKESH KUMAR	
4.	MUNISH KUMAR	

Students

Sno.	Name	Email	Grade/Class
1.	BALWINDER KUMAR	gsss.madhopur.ptk@gmail.com	11
2.	MANOHAR LAL	gsss.madhopur.ptk@gmail.com	11
3.	SHUBHAM	gsss.madhopur.ptk@gmail.com	10
4.	SANJIV KUMAR	gsss.madhopur.ptk@gmail.com	10
5.	BHANU PARTAP	gsss.madhopur.ptk@gmail.com	10
6.	PANKAJ KUMAR	gsss.madhopur.ptk@gmail.com	9
7.	SANJIV KUMAR	gsss.madhopur.ptk@gmail.com	9
8.	ISHA	gsss.madhopur.ptk@gmail.com	9
9.	RITIKA	gsss.madhopur.ptk@gmail.com	9
10.	MUNISHA	gsss.madhopur.ptk@gmail.com	9

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	300	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)	2	0	0
Ice-cream	0	0	0
Carbonated beverages	5	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?

Yes

6(a)

Please provide details

BISCUITS, snacks

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

Supporting Documents

1. P1000485.JPG



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Sidharath chander	sidharath064@gmail.com

Administrative staff

Sno.	Name	Email
1.	CHADER SINGH	
2.	ARJUN SINGH	
3.	MUKESH KUMAR	

Students

Sno.	Name	Email	Grade/Class
1.	PANKAJ KUMAR		9
2.	MADAN LAL		9
3.	KARNAIL		9
4.	JASVEER		9
5.	AMIT KUMAR		9
6.	ISHA		9
7.	RASHMI		9
8.	REETIKA		9
9.	MUNISHA		9
10.	DHEERAJ		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 (m ²)	10,000
Ground coverage area	5,000
Green landscaped area on-ground	2,200

Surface parking area	200
Play area that is paved/ concrete on ground	120
Play area that has grass on ground	2,000
Service Area on ground	0
Roof and terrace area	3,500
Green cover on exposed roof & terrace	0
Total built up/constructed area	3,500
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	10	7	17
Animals	6	5	11

Task 4: Find out if your school uses pesticides

4

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

Yes

Supporting Documents

1. P1040871.JPG
2. P1040867.JPG
3. P1040851.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	MANAV	gsss.madhopur.ptk@gmail.com

Administrative staff

Sno.	Name	Email
1.	CHANDER SINGH	
2.	MUNISH KUMAR	
3.	RENU BALA	

Students

Sno.	Name	Email	Grade/Class
1.	JASVEER		9
2.	KARNIAL		9
3.	AMIT		9
4.	PANKAJ		9
5.	MADAN LAL		9
6.	DHEERAJ		9
7.	ISHA		9
8.	RASHMI		9
9.	REETIKA		9
10.	MUNISHA		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	450
Toilet flushing	304
Personal cleaning	225

Washing clothes	5
Cooking	20
Cleaning Utensils	500
Washing Vegetables	5
Mopping floors	20
Gardening	50
Total	1579

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?

Public Health Engineering Department (PHED)

4 Does your school get daily water supply?

Yes

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

2-6 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?	Yes
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)	No

Supporting Documents

1. P1040841.JPG
2. P1040852.JPG
3. P1040852.JPG
4. P1040852.JPG

Task 5: Does your school harvest rainwater?

6

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

Yes

6(a)

Does your school harvest different catchments?.

Yes

6(a)(1)

Which is the catchment area being harvested by your school?

Rooftop + Paved + Unpaved

6(b)

How does your school harvest rainwater?

Combination of both

6(b)(1)

If your school only stores rainwater, please select the use of stored rainwater.

Gardening, Toilets

6(b)(2)

Does your school have rainwater storage tank?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

2160.00

6(b)(2)(b) Total number of storage tanks

2.00

6(b)(2)(c) Location of tanks:

Underground

6(b)(2)(d) Material options for tanks

Combination of PVC + RCC + Brick

6(c) How much area in your school is harvested?

71 to 80 per cent

6(d) Please select (from the list given below) the rainwater harvesting structures present in your school

Storage tank

6(e) Rate your catchment on cleanliness:

Good

Supporting Documents

1. WATER AUDIT 2.docx

6(f) Does your school clean your catchment and system (structure)?

Yes

6(f)(1) Please specify when does your school clean the catchment and RWH system?

Pre-monsoon

6(g) Does your school monitor the rainwater harvesting structure for its efficiency?

Yes

6(g)(1) Please specify when does your school monitor the groundwater level?

Pre-monsoon

6(h)

What is the trend of groundwater level in your school across the year?

No change

6(i)

If your school's RWH structure is more than a year old, is there any improvement in the groundwater quality after the implementation of the RWH structure?

No

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?

10

9

How many hand pumps do you have?

0

10

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

8

11

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

	Girls	Boys	Common	Total
Number of toilets	5	5	2	12

12

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

5

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?

No

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?

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.	SIDHARATH CHANDER	sidharath064@gmail.com

Administrative staff

Sno.	Name	Email
1.	CHANDER SINGH	
2.	ARJUN SINGH	
3.	MUKESH KUMAR	

Students

Sno.	Name	Email	Grade/Class
1.	BHANU PARTAP		10
2.	SANJIV KUMAR		10
3.	MUNISH		10
4.	ISHA		9
5.	RITIKA		9
6.	PANKAJ		9
7.	MADAN LAL		9
8.	SUKHDEV		9
9.	RASHMI		9
10.	NITIN		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

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	7	0	5	2	0
Playgrounds	3	0	3	0	0
Common area (e.g. reception, corridors)	1	0	1	0	0
Staffroom	1	0	1	0	0
Laboratory	3	0	1	1	1
Canteen	3	0	1	2	0
Clinic/ Sick room	3	0	1	1	1
Library	1	0	1	0	0
Toilets	4	0	2	2	0
Others	2	0	2	0	0
Total	28	0	18	8	2

Supporting Documents

1. P1040907.JPG
2. P1040848.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	10
Kitchen waste	15
Paper	5
Plastic	0
Wood, glass, metal, classroom furniture	10

E-waste	0
Biomedical waste	0
Sanitary waste	5
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	45

Supporting Documents

1. P1040856.JPG
2. P1000006.JPG

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?

Yes

Supporting Documents

1. P1000171.JPG

5a

What is the methodology used?

Natural composting without added microbes

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)	✗	✗	✓	✗

Supporting Documents

1. P1000171.JPG

Task 5: How does your school dispose waste?

8

What is the final destination for waste that is disposed of externally?

Open dumping

Supporting Documents

1. P1000480.JPG

9

Does your school burn waste?

Yes

Supporting Documents

1. download %283%29.jpg

9a

Where does your school burn waste?

Outside 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	1	1	0
VCR or DVD players	1	1	0
Refrigerators and freezers	1	1	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	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	69	45	24
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	2	2	0
Copying equipment (Photocopiers)	1	1	0
Projectors	0	0	0

Whiteboards	5	5	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	2	2	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	1	1	0
Pay telephones	0	0	0
Mobiles	30	30	0
Answering systems	0	0	0

Supporting Documents

1. DESM Questionnaire Need assessment Science %286%29.docx

11

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

No

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

Supporting Documents

1. P1040584.JPG
2. P1040587.JPG
3. P1000150.JPG
4. P1000158.JPG

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?

Yes

Supporting Documents

1. P1040857.JPG
2. P1040841.JPG



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?

1

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?

interactive workshop should be organize for 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	Average

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?

More than twice

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?

10.00

Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Picture of 5 star appliances used by school
4. Picture of Mid-day meal being served
5. Traditional food items sold in canteen
6. Pictures of Green Cover
7. Pictures of landscaped area
8. Pictures of dustbins in classroom showing segregation at source
9. Pictures of playground with more than two dustbins
10. Picture of audit team weighing solid waste
11. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
12. Pictures of burning waste
13. Pictures of Electronic items used by school and storage of non-working electronic items
14. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
15. Pictures of respective audit teams doing survey