



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: GSSS Manwal
Address: Village manwal, PO Pathankot,
PATHANKOT, Pathankot, Punjab, India
Coordinator Name: RITESH KAPOOR



AIR



ENERGY



FOOD



LAND



WATER



WASTE

Green Schools Programme

Centre for Science and Environment

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Tel: +91-11 29955124, 29956110, 40616000

<http://www.greenschoolsprogramme.org/>

SCHOOL PROFILE

1

Name of the School / Institution

GSSS Manwal

2

Address

Village manwal, PO Pathankot, PATHANKOT, Pathankot, Punjab, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 186 (NUMBER) 2390924

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9417280102

5

Principal Name

POONAM BALA

6

GSP Coordinator Name

RITESH KAPOOR

7

GSP Coordinator Email

bhallaritesh12@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9592830666

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?

Other: 'punjab school education board, mohali'

4

Total permanent population of the school

	Male	Female	Total
Students	359	187	546
Teachers	10	19	29
Non-Teaching Staff	6	4	10
TOTAL	375	210	585

4(b)

How many visitors visit your school

10

5

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

216

6

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

Jan, Nov, Dec

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	neera gupta	neera gupta
2.	ritesh	gsss.manwal.ptk@gmail.com

Administrative staff

Sno.	Name	Email
1.	poonam bala	gsss.manwal.ptk@gmail.com
2.	amarjit singh	gsss.manwal.ptk@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	vikram	gsss.manwal.ptk@gmail.com	11
2.	vishal	gsss.manwal.ptk@gmail.com	12

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

1 How many classrooms does your school have?

42

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)
6	225.00	25.00	11.11
7	450.00	50.00	11.11
8	225.00	25.00	11.11
9	450.00	50.00	11.11
10	450.00	50.00	11.11
11	450.00	50.00	11.11

12	450.00	50.00	11.11
0	0.00	0.00	0.00
0	0.00	0.00	0.00
0	0.00	0.00	0.00
TOTAL	2,700.00	300.00	

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	6	0	0	6
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	0	0	0
Personal four-wheeler	0	8	1	9
Personal two-wheeler	0	21	6	27
Bicycle	180	0	1	181
On foot	360	0	2	362
Others (non-motorised)	0	0	0	0
SUB-TOTAL	546	29	10	585

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.	ritesh kapoor	gsss.manwal.ptk@gmail.com
2.	kamini mohan	gsss.manwal.ptk@gmail.com
3.	ranjit kaur	gsss.manwal.ptk@gmail.com

Administrative staff

Sno.	Name	Email
1.	amarjit singh	gsss.manwal.ptk@gmail.com
2.	jatinder singh	gsss.manwal.ptk@gmail.com
3.	vikram sains	gsss.manwal.ptk@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	vishal singh	gsss.manwal.ptk@gmail.com	12

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. electricity bill.jpg

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)	1200	4320.00	3
Electricity from generator (diesel) (litres)	600	27360.00	1
Petrol (litres)	0	0.00	0
Diesel (litres)	0	0.00	0
CNG (kilogrammes)	0	0.00	0
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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1800.00	31680.00	

Supporting Documents

1. electricity bill.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	1	180	3
Microwave	0	0	0
Tube Lights	15	40	1

CFL Bulbs	10	20	1
LED Lights	12	12	1
Fans	25	60	1

Supporting Documents

1. electricity bill.jpg
2. electric.jpg

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

5

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

220

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.	suman	gsss.manwal.ptk@gmail.com
2.	ritesh	gsss.manwal.ptk@gmail.com

Administrative staff

Sno.	Name	Email
1.	mukesk kumar	gsss.manwal.ptk@gmail.com
2.	amarjit singh	gsss.manwal.ptk@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	dishant	gsss.manwal.ptk@gmail.com	12
2.	sucha singh	gsss.manwal.ptk@gmail.com	12
3.	harish kumar	gsss.manwal.ptk@gmail.com	12

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	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	1	200	10
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

Supporting Documents

1. school canteen.jpg

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?

No

8

Are your school events such as quiz shows, talent shows, debates sponsored by food companies/brands?

Yes

8(a)

Does the school distribute packaged food items as rewards during schools events?

self sponser

8(b)

Are their banners, brochures, hoardings, stalls etc. put-up during the events?

Yes

Supporting Documents

1. survey.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	amarjit singh	gsss.manwal.ptk@gmail.com
2.	ritesh kapoor	gsss.manwal.ptk@gmail.com

Administrative staff

Sno.	Name	Email
1.	ritesh kapoor	gsss.manwal.ptk@gmail.com
2.	somraj sains	gsss.manwal.ptk@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	rohit kumar	gsss.manwal.ptk@gmail.com	12
2.	malkit singh	gsss.manwal.ptk@gmail.com	12
3.	bhanusharma	gsss.manwal.ptk@gmail.com	12

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)	5,000
Ground coverage area	1,000
Green landscaped area on-ground	3,500
Surface parking area	250
Play area that is paved/ concrete on ground	500
Play area that has grass on ground	500
Service Area on ground	150
Roof and terrace area	0

Green cover on exposed roof & terrace	0
Total built up/constructed area	1,500
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	2	0	2
Animals	0	0	0

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. beauty of school.jpg
2. building.jpg
3. land.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	seema pathania	gsss.manwal.ptk@gmail.com
2.	ritesh kapoor	gsss.manwal.ptk@gmail.com
3.	amarjit singh	gsss.manwal.ptk@gmail.com

Administrative staff

Sno.	Name	Email
1.	jatinder singh	gsss.manwal.ptk@gmail.com
2.	mani kapurlia	gsss.manwal.ptk@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	pankaj kumar	gsss.manwal.ptk@gmail.com	12
2.	happy kumar	gsss.manwal.ptk@gmail.com	12
3.	prem kumar	gsss.manwal.ptk@gmail.com	12

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	500
Toilet flushing	600
Personal cleaning	0
Washing clothes	0
Cooking	200
Cleaning Utensils	200

Washing Vegetables	30
Mopping floors	100
Gardening	250
Total	1880

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?	Yes
Are dual flush systems installed in the toilets?	Yes
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?	No
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?	No
Any other step taken for water conservation? (if Yes, please specify)	No

Supporting Documents

1. water bore.jpg
2. water1.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).

25000

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?

10

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

	Girls	Boys	Common	Total
Number of toilets	10	10	2	22

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?

1

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?

No

18(a) Please specify the fate of wastewater

Wastewater flows directly to the drains

Supporting Documents

1. boys toilet.jpg



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	somraj saini	gsss.manwal.ptk@gmail.com
2.	ritesh kapoor	gsss.manwal.ptk@gmail.com

Administrative staff

Sno.	Name	Email
1.	vipin kumar	gsss.manwal.ptk@gmail.com
2.	mukesh kumar	gsss.manwal.ptk@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	vishal bhatia	gsss.manwal.ptk@gmail.com	12
2.	vikram kumar	gsss.manwal.ptk@gmail.com	12
3.	rohit kumar	gsss.manwal.ptk@gmail.com	12

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	42	15	20	5	2
Playgrounds	5	5	0	0	0
Common area (e.g. reception, corridors)	5	0	5	0	0
Staffroom	2	0	2	0	0
Laboratory	4	0	2	2	0
Canteen	4	1	1	1	1
Clinic/ Sick room	0	0	0	0	0
Library	2	0	2	0	0
Toilets	12	2	5	5	0
Others	7	2	5	0	0
Total	83	25	42	13	3

Supporting Documents

1. library.jpg
2. school canteen.jpg
3. boys toilet.jpg
4. girls toilet.jpg
5. water1.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	1000
Kitchen waste	2000
Paper	0
Plastic	0
Wood, glass, metal, classroom furniture	0

E-waste	0
Biomedical waste	0
Sanitary waste	5000
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	8000

Supporting Documents

1. survey.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

No documents uploaded by the school.

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)?

1,000.00

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

No documents uploaded by the school.

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	1	1	0
VCR or DVD players	0	0	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	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	36	36	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	3	3	0
Copying equipment (Photocopiers)	0	0	0
Projectors	2	1	1
Whiteboards	5	5	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	0	0	0
Telex	0	0	0

Telephones	1	1	0
Pay telephones	0	0	0
Mobiles	40	40	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?

Taken back by manufacturer

Task 6: School's initiatives

12

Does the school have a policy on waste?

Yes

Policy document

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

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. survey.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?

one

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?

an inovative workshop to create more idea implementing techniques

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?

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. Picture of Canteen selling UPPF
6. Traditional food items sold in canteen
7. Pictures of Events sponsored by UPPF companies
8. Pictures of Green Cover
9. Pictures of landscaped area
10. Building construction plan
11. Pictures of dustbins in classroom showing segregation at source
12. Pictures of playground with more than two dustbins
13. Picture of audit team weighing solid waste
14. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
15. Pictures of burning waste
16. Waste Policy
17. Pictures of respective audit teams doing survey