



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Govt. Sen. Sec. School Mukandpur
Address: V.P.O. Mukandpur, Banga, Shaheed
Bhagat Singh Nagar, Punjab, India
Coordinator Name: Ramandeep



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. School Mukandpur

2

Address

V.P.O. Mukandpur, Banga, Shaheed Bhagat Singh Nagar, Punjab, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 01823 (NUMBER) 276971

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9417672638

5

Principal Name

Amarjit

6

GSP Coordinator Name

Ramandeep

7

GSP Coordinator Email

gsss.mukandpur.sbsn@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9463314143

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?

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	350	274	624
Teachers	11	14	25
Non-Teaching Staff	3	1	4
TOTAL	364	289	653

4(b)

How many visitors visit your school

8

5

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

230

6

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

July

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Ramandeep	Ramandeep
2.	Sandeep Kumar	gsss.mukandpur.sbsn@gmail.com

Administrative staff

Sno.	Name	Email
1.	Amarjit	gsss.mukandpur.sbsn@gmail.com
2.	Amarjit Singh	
3.	Meenakshi	

Students

Sno.	Name	Email	Grade/Class
1.	Sharan Kaur		11
2.	Robin Virdi		11
3.	Amisha		10
4.	Kamal		10
5.	Komal Virdi		8
6.	Nitika		8
7.	Jyoti		9
8.	Navnoor		9
9.	Meenakshi		10

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

1 How many classrooms does your school have?

16

2 Window-floor ratio of classrooms in the school.

Details of the classroom (e.g.
Class II section b)

$X = \text{Area of floor}$
($L \times B$)

$Y = \text{Area of}$
openings ($L \times H$)

Percentage of the floor area
being ventilated ($Y/X \times 100$)

Class 6 Section A	22.30	12.26	54.98
Class 6 Section B	22.30	9.48	42.51
Class7 Section A	22.30	9.48	42.51
Class7 Section B	22.30	6.69	30.00
Class8 Section A	22.30	6.69	30.00
Class8 Section B	22.30	9.48	42.51
Class9 Section A	27.87	10.52	37.75
Class9 Section B	27.87	9.48	34.02
Class10 Section A	27.87	10.52	37.75
Class10 Section A	27.87	10.52	37.75
TOTAL	245.28	95.12	

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

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	0	0	0	0	00	0
Van	0	0	0	0	0	0
Other vehicles	0	0	0	0	0	0
SUB-TOTAL	0.00	0	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	100	8	0	108
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	4	0	4
Personal two-wheeler	14	10	2	26
Bicycle	160	2	1	163
On foot	350	1	1	352
Others (non-motorised)	0	0	0	0
SUB-TOTAL	624	25	4	653

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

5

How many students suffer from respiratory ailments ?

4

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.	Ramandeep	gsss.mukandpur.sbsn@gmail.com
2.	Inderpal Singh	gsss.mukandpur.sbsn@gmail.com
3.	Meenakshi	gsss.mukandpur.sbsn@gmail.com

Administrative staff

Sno.	Name	Email
1.	Amarjit	
2.	Amarjit Singh	

Students

Sno.	Name	Email	Grade/Class
1.	Sharan Kaur		11
2.	Robin Virdi		11
3.	Meenakshi		10
4.	Jyoti		9
5.	Komal Virdi		8
6.	Nitika		8
7.	Amisha		10
8.	Kamal		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)	1360	4896.00	0
Electricity from generator (diesel) (litres)	20	912.00	-
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	1380.00	5808.00	

Supporting Documents

1. 001.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	1	165	3
Microwave	0	0	0
Tube Lights	32	40	0
CFL Bulbs	6	25	0
LED Lights	0	0	0
Fans	80	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?

290

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.	Ramandeep	gsss.mukandpur.sbsn@gmail.com
2.	Manju Bali	gsss.mukandpur.sbsn@gmail.com
3.	Nirmal Ram	gsss.mukandpur.sbsn@gmail.com

Administrative staff

Sno.	Name	Email
1.	Amarjit	
2.	Amarjit Singh	

Students

Sno.	Name	Email	Grade/Class
1.	Sharan Kaur		11
2.	Robin Virdi		11
3.	Meenakshi		10
4.	Jyoti		9
5.	Priya		9
6.	Komal Virdi		8
7.	Nitika		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	-	-	7
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	-	-	7
Potato fries and Burgers	-	-	7
Confectionery items (chocolate, candies, gums)	5	526	7
Ice-cream	-	-	7
Carbonated beverages	-	-	7
Sugar sweetened noncarbonated beverages	-	-	7
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	-	-	7
Packaged/Bottled Energy Drinks	-	-	7

Supporting Documents

1. DSC_0262.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?

No

No documents uploaded by the school.



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Ramandeep	gsss.mukandpur.sbsn@gmail.com
2.	Sandeep Kumar	gsss.mukandpur.sbsn@gmail.com
3.	Inderpal Singh	gsss.mukandpur.sbsn@gmail.com

Administrative staff

Sno.	Name	Email
1.	Amarjit	
2.	Amarjit Singh	

Students

Sno.	Name	Email	Grade/Class
1.	Sharan Kaur		11
2.	Robin Virdi		11
3.	Meenakshi		10
4.	Amisha		10
5.	Jyoti		9
6.	Priya		9
7.	Komal Virdi		8
8.	Nitika		8

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)	10,406
Ground coverage area	2,213
Green landscaped area on-ground	563
Surface parking area	0

Play area that is paved/ concrete on ground	860
Play area that has grass on ground	2,747
Service Area on ground	0
Roof and terrace area	2,100
Green cover on exposed roof & terrace	1
Total built up/constructed area	2,213
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	68	13	81
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

No documents uploaded by the school.



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Ramandeep	gsss.mukandpur.sbsn@gmail.com
2.	Meenakshi	gsss.mukandpur.sbsn@gmail.com
3.	Nirmal Ram	gsss.mukandpur.sbsn@gmail.com`

Administrative staff

Sno.	Name	Email
1.	Amarjit	
2.	Amarjit Singh	

Students

Sno.	Name	Email	Grade/Class
1.	Sharan Kaur		11
2.	Robin Virdi		11
3.	Meenakshi		10
4.	Komal		10
5.	Jyoti		9
6.	Komal Virdi		8
7.	Nitika		8

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	300
Toilet flushing	150
Personal cleaning	30
Washing clothes	0

Cooking	0
Cleaning Utensils	60
Washing Vegetables	0
Mopping floors	20
Gardening	40
Total	600

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

13-18 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?	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?	Yes
Any other step taken for water conservation? (if Yes, please specify)	No

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).

200

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?	No
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)?	No
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?

12

9 How many hand pumps do you have?

1

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

4

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

	Girls	Boys	Common	Total
Number of toilets	3	4	0	7

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

6

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

6

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

Used for gardening and horticulture

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Ramandeep	gsss.mukandpur.sbsn@gmail.com
2.	Prem Kumar Parihar	gsss.mukandpur.sbsn@gmail.com
3.	Sandeep Kumar	gsss.mukandpur.sbsn@gmail.com

Administrative staff

Sno.	Name	Email
1.	Amarjit	
2.	Amarjit Singh	

Students

Sno.	Name	Email	Grade/Class
1.	Sharan Kaur		11
2.	Robin Viridi		11
3.	Smile Sharma		11
4.	Kundan Kumar		10
5.	Kajal		10
6.	Kulwinder		10
7.	Komal Viridi		8
8.	Jasleen Kaur		8
9.	Simran		8

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	16	0	16	0	0
Playgrounds	5	0	5	0	0
Common area (e.g. reception, corridors)	2	0	2	0	0
Staffroom	2	0	2	0	0
Laboratory	2	0	2	0	0
Canteen	1	0	1	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	2	0	2	0	0
Others	1	0	1	0	0
Total	33	0	33	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	18
Kitchen waste	15
Paper	13
Plastic	1
Wood, glass, metal, classroom furniture	6
E-waste	1
Biomedical waste	2

Sanitary waste	3
Construction and Demolition (C & D) waste	6
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	65

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?

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)?

6.00

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?

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	0	0	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	1	1	0
Microwaves	0	0	0
Ovens	2	2	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	1	1	0
Copying equipment (Photocopiers)	1	1	0
Projectors	1	0	1
Whiteboards	3	3	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	0	0	0
Answering systems	0	0	0

No documents uploaded by the school.

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?

Yes

No documents uploaded by the school.



FEEDBACK

1 Has your school participated in the Green Schools Programme (GSP) Audit before?

No

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?

1. Rain water harvesting 2. Solar devices (Panel, battery etc.) 3. Proper Management of E-Waste and non- Bio degradable waste (Plastic, polythene, Glass etc.)

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?

45.00

Checklist of uploaded documents

1. Electricity Bill
2. Picture of Mid-day meal being served
3. Picture of Canteen selling UPPF