



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: st. charles\' inter college
Address: sardhana, sardhana, sardhana, Meerut,
Uttar Pradesh, India
Coordinator Name: Honey Jain



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

st. charles\' inter college

2

Address

sardhana, sardhana, sardhana, Meerut, Uttar Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 120 (NUMBER) 236362

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9119744392

5

Principal Name

Anthony samy

6

GSP Coordinator Name

Honey Jain

7

GSP Coordinator Email

honeyhitenjain@yahoo.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9690410412

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: Uttar Pradesh

4

Total permanent population of the school

	Male	Female	Total
Students	1533	93	1626
Teachers	25	15	40
Non-Teaching Staff	15	01	16
TOTAL	1573	109	1682

4(b)

How many visitors visit your school

1000

5

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

255

6

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

Aug

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	George Stephan	George Stephan
2.	Gaurav Kumar	gkkaushik143@yahoo.com
3.	Mathew Bernard	mathewsmeerut@gmail.com

Administrative staff

Sno.	Name	Email
1.	Prem Kumar Sunny	pprem0732@gmail.com
2.	Sanjay Rana	sanjayrana1767@gmail.com
3.	Julius Tirki	tirkijulius@gmail.com
4.	Tarsius Bara	tarsiusbara@gmail.com
5.	Sunil Ekka	sunilekka@rocketmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Morris Daniel Baxla	talk2morrisdaniel@gmail.com	12
2.	Vivek Saini	vivek.mrt78@gmail.com	12
3.	Tanveer Mirza	tanveermirza10@gmail.com	12
4.	Aarish Abbasi	aarishabbasi@gmail.com	10

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

1 How many classrooms does your school have?

55

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)
Class 6 Section A	480.00	96.00	20.00
Class 7 Section B	480.00	96.00	20.00

Class 8 Section C	480.00	96.00	20.00
Class 9 Section A	480.00	96.00	20.00
Class 10 Section B	480.00	96.00	20.00
Class 11 Section C	480.00	96.00	20.00
Class 12 Section E	480.00	96.00	20.00
Class 2 Section B	480.00	96.00	20.00
Class 3 Section C	480.00	96.00	20.00
Class 4 Section A	480.00	96.00	20.00
TOTAL	4,800.00	960.00	

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-owned vehicles

3(a)

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	00	2	00	4	6
No. of vehicles more than five years old	00	1	00	3	4
Air conditioned	00	2	00	00	2
No. of vehicles with PUC done	00	00	00	00	0
Parking area (m2)	00	400	00	1500	1900

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	00	00	00	00	00	00

Car	2	00	00	00	00	00
Van	00	00	00	00	00	00
Other vehicles	2	2	00	00	00	00
SUB-TOTAL	4	2	0	0	0	0

Supporting Documents

1. Fuel_Bill.jpeg
2. School_Vechile.jpg
3. School_Vechile_2.jpg
4. School_Vechile_3.jpg

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	00	00	00	0
Public Bus	600	06	00	606
School Transport(Other than bus)	00	00	00	0
Public transport (other than bus, Metro, car pool)	00	00	00	0
Taxi four-wheeler	00	00	00	0
Taxi three-wheeler	00	00	00	0
Personal four-wheeler	00	08	02	10
Personal two-wheeler	00	20	08	28
Bicycle	400	00	02	402
On foot	626	06	04	636
Others (non-motorised)	00	00	00	0
SUB-TOTAL	1626	40	16	1682

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.	Honey Jain	honeyhitenjain@yahoo.com
2.	Denis Clement	denisclement82@gmail.com
3.	Richard Cladius	sachin.cladius@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sunil Ekka	sunilekka@rocketmail.com
2.	Prem Kumar Sunny	pprem0732@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ashu Kumar	ashukumar23nov@gmail.com	12
2.	Akshay Puri	ap415@gmail.com	10
3.	Vishal	vishalmulheta@gmail.com	11
4.	Abhishek Kumar	abi12540@gmail.com	11

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.jpeg

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)	07	25.20	02
Electricity from generator (diesel) (litres)	450	20520.00	01
Petrol (litres)	20	934.00	01
Diesel (litres)	200	9120.00	02
CNG (kilogrammes)	00	0.00	00
Kerosene (litres)	00	0.00	00
Coal (kilogrammes)	00	0.00	00
Wood (kilogrammes)	400	7040.00	01
Animal waste (kilogrammes)	100	1800.00	02
Solar (kwh)	00	0.00	00
Wind (kwh)	00	0.00	00
LPG (kilogrammes)	320	16512.00	01
Piped Natural Gas (kilogrammes)	00	0.00	00
TOTAL	1497.00	55951.20	

Supporting Documents

1. Fuel_Bill.jpeg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	05	1.5	3
Refrigerator	2	220	3
Microwave	1	15	3
Tube Lights	40	40	3

CFL Bulbs	30	15	3
LED Lights	110	15	3
Fans	250	220	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?

300

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.	Sanjay Charles	sanjaycharles1969@gmail.com
2.	Vikas Goswami	vikasgoswami.sardhana@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sanjay Rana	sanjayrana1767@gmail.com
2.	Tarsius Bara	tarsiusbara@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ashish Kumar Singh	chintu7july@gmail.com	12
2.	Danish Malik	danishmalik9456@gmail.com	12
3.	Anuj Soam	anujsoam51@gmail.com	11

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	04	1000	02
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	00	00	00
Potato fries and Burgers	00	00	00
Confectionery items (chocolate, candies, gums)	03	1200	04
Ice-cream	00	00	00
Carbonated beverages	04	400	05
Sugar sweetened noncarbonated beverages	01	150	01
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	01	200	01
Packaged/Bottled Energy Drinks	02	300	05

Supporting Documents

1. Student_Package_Foods.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.	George Stephan	georgestephen12@gmail.com
2.	Naveen Kumar	knaveen6195@gmail.com
3.	Denis Clement	denisclement82@gmail.com

Administrative staff

Sno.	Name	Email
1.	Julius Tirki	tirkijulius@gmail.com
2.	Sanjay Rana	sanjayrana1767@gmail.com
3.	Prem Kumar Sunny	pprem0732@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Morris Daniel Baxla	talk2morrisdaniel@gmail.com	12
2.	Vivek Kumar	s.saini.meerut@gmail.com	12
3.	Vivek Saini	vivek.meerut7@gmail.com	11
4.	Anuj Soam	anujsoam51@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)	1,219
Ground coverage area	8,951
Green landscaped area on-ground	8,834
Surface parking area	3,000
Play area that is paved/ concrete on ground	572
Play area that has grass on ground	7,524

Service Area on ground	1,500
Roof and terrace area	782
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,828
Total no. of floors	3
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	683	00	683
Animals	04	00	4

Task 4: Find out if your school uses pesticides

4

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

No

Supporting Documents

1. Green_Cover.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Vikas Goswami	vikasgoswami.sardhana@gmail.com
2.	Honey Jain	honeyhitenjain@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Prem Kumar Sunny	pprem0732@gmail.com
2.	Sanjay Rana	sanjayrana1767@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Vivek Kumar	vivek.mrt78@gmail.com	12
2.	Tanveer Mirza	tanveermirza10@gmail.com	12
3.	Mohd. Aarish	aarishabbasi@gmail.com	10

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	5000
Toilet flushing	2200
Personal cleaning	1500
Washing clothes	1000
Cooking	100
Cleaning Utensils	25
Washing Vegetables	5
Mopping floors	5

Gardening	165
Total	10000

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

2 Where does the water your school uses, come from?

Surface water

3 Who supplies the water in your school?

Municipality

4 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?

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?	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?	No
Does your school use a drip or irrigation system?	Yes

Any other step taken for water conservation? (if Yes, please specify)

No

Supporting Documents

1. Student_Package_Foods.jpg
2. School_Water_Tabs.jpg
3. Students_Used_The_Water_Tabs.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).

10

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?

22

9

How many hand pumps do you have?

7

10

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

5

11

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

	Girls	Boys	Common	Total
Number of toilets	06	22	0	28

12

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

25

13

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

2

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?

Yes

18

Does your school reuse the treated wastewater?

Yes

18(a)

How does your school reuse wastewater?

Gardening

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Sanjay Charles	sanjaycharles1969@gmail.com
2.	Vikas Goswami	vikasgoswami.sardhana@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sunil Ekka	sunilekka@rocketmail.com
2.	Prem Kumar Sunny	pprem0732@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ashish Kumar	chintu7july@gmail.com	12
2.	Vishal Kumar	vishalmulheta@gmail.com	11
3.	Akshay Puri	ap415@gmail.com	10

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

1 Does your school segregate solid waste?

No

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	55	55	0	0	0
Playgrounds	1	1	0	0	0
Common area (e.g. reception, corridors)	5	5	0	0	0
Staffroom	2	2	0	0	0
Laboratory	5	5	0	0	0

Canteen	2	2	0	0	0
Clinic/ Sick room	1	1	0	0	0
Library	1	1	0	0	0
Toilets	2	2	0	0	0
Others	0	0	0	0	0
Total	74	74	0	0	0

Supporting Documents

1. Class_Room_Dustbin.jpg
2. Student_Use_The_Dustbin.jpg
3. Students_Used_The_Dustbin_In_Ground.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	5
Kitchen waste	2
Paper	1
Plastic	1
Wood, glass, metal, classroom furniture	1
E-waste	1
Biomedical waste	1
Sanitary waste	1
Construction and Demolition (C & D) waste	1
Hazardous waste	1
Total Generated Solid Waste (in kilogram)	15

Supporting Documents

1. Horticultural _Waste.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?

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)	✓	✓	✗	✗

Supporting Documents

1. Destroy_The_Hazard.jpg

Task 5: How does your school dispose waste?

8

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

Don't know

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	1	1	0
Refrigerators and freezers	2	2	0
Washing machines	1	1	0
Air conditioners	5	5	0
Heaters	2	2	0
Microwaves	1	1	0
Ovens	1	1	0
Toasters	1	1	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	6	6	0
Laptop computer (CPU, mouse, screen and keyboard included)	4	4	0
Notebook computers	0	0	0

Notepad computers	0	0	0
Printers	4	4	0
Copying equipment (Photocopiers)	0	0	0
Projectors	1	1	0
Whiteboards	0	0	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	6	6	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?

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?

No

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?

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?

No

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?

Solid waste Macanism

8

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Average
Distribution of time among tasks	Average
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?

10.00

Checklist of uploaded documents

1. Fuel Bills
2. Picture of School owned vehicles
3. Electricity Bill
4. Picture of Mid-day meal being served
5. Picture of Canteen selling UPPF
6. Pictures of Green Cover
7. Pictures of dustbins in classroom showing segregation at source
8. Pictures of playground with more than two dustbins
9. Pictures of burning waste