

Responses for Green Schools Programme Audit 2016

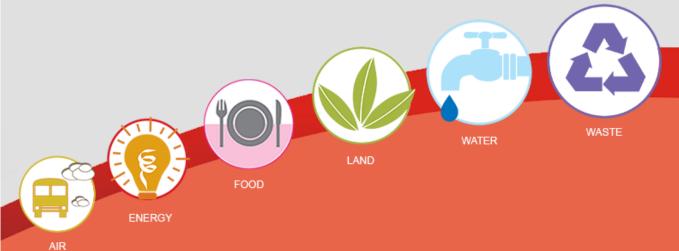
School Name: ST KABIR PUBLIC SCHOOL

Address: SECTOR 26, NEAR BUTTERFLY PARK,

CHANDIGARH, CHANDIGARH,

Chandigarh, India

Coordinator Name: Mrs Sneha Wadhwa



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

Name of the School / Institution

ST KABIR PUBLIC SCHOOL

2 Address

SECTOR 26, NEAR BUTTERFLY PARK, CHANDIGARH, CHANDIGARH, Chandigarh, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 172 (NUMBER) 2791459

4 Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9915399025

5 Principal Name

Lt Col.Rattanbir Singh

6 GSP Coordinator Name

Mrs Sneha Wadhwa

GSP Coordinator Email

vasuvidu389@gmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 9501024389

Category Of The School

Day Scholar

School Shifts

Morning

GENERAL QUESTIONS

How many levels does your school have?

Lowest level of grade:1 Highest level of grade:12

ls your school single gender or mixed gender?

Mixed/Co-education

Which board of education does the school follow?

Central Board of Secondary Education

Total permanent population of the school

	Male	Female	Total
Students	860	586	1446
Teachers	4	77	81
Non-Teaching Staff	7	12	19
TOTAL	871	675	1546

4(b) How many visitors visit your school

250

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

205

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

Nov

Where is the school located?

Urban Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Sneha Wadhwa	Sneha Wadhwa

Administrative staff

Sno.	Name	Email
1.	Rakesh Luthra	
2.	Chandra Kant	
3.	Ardish Shukla	

Students

Sno.	Name	Email	Grade/Class
1.	PRATEEK SINGH	singhprateek8888@gmail.com	10
2.	AMAN JINDAL	amanjindal417@gmail.com	10
3.	LAKSHAY MUNJAL	lakshay159@gmail.com	10
4.	VIKAS SINGH		10
5.	MEHAK PAHOOJA		10

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

1 How many classrooms does your school have?

48

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)
III A	53.30	15.14	28.41
Multimedia Room	84.50	17.85	21.12
Physical Education Room	81.70	19.60	23.99

III B	53.30	15.14	28.41
V A	53.30	15.14	28.41
V B	53.30	15.14	28.41
IX A	53.30	15.14	28.41
IX B	53.30	15.14	28.41
XII A	53.30	15.14	28.41
XII B	53.30	15.14	28.41
TOTAL	592.60	158.57	

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?

A combination of school-owned and operator-owned vehicles

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	2	2	0	0	4
No. of vehicles more than five years old	2	1	0	0	3
Air conditioned	0	2	0	0	2
No. of vehicles with PUC done	2	2	0	0	4
Parking area (m2)	0	782	0	0	782

Supporting Documents

- 1. img047 NEW.jpg
- 2. img046 NEW.jpg

Specify the type of fuel used by your school vehicles:

Diesel	Petrol	LPG	CNG	Electric	Hybrid

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

- 1. DSC_0006 NEW.jpg
- 2. DSC_0010 NEW.jpg
- 3. diesel bill1.jpg

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	1070	8	2	1080
Public Bus	1	0	1	2
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	1	1
Taxi four-wheeler	70	0	0	70
Taxi three-wheeler	12	4	0	16
Personal four-wheeler	220	54	13	287
Personal two-wheeler	29	13	36	78
Bicycle	9	0	0	9
On foot	2	0	1	3
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1413	79	54	1546

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

How many students suffer from respiratory ailments?

20

Does the school laboratory have air quality monitoring equipment?

No documents uploaded by the school.

No

No

6(a) If No, is there an air quality monitoring station (private or government) close to your school?



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	Renu Sahani	renusahani77@gmail.com
2.	sneha wadhwa	vasuvidu389@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr Rakesh Luthra	
2.	Mr. Chander Kafle	

Students

Sno.	Name	Email	Grade/Class
1.	Chetanya Mittal	chetanyamittal35@gmail.com	10
2.	Lakshay Munjal	lakshay159@gmail.com	10
3.	Pranay Juneja	pranaykabirian@gmail.com	10

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

1. img048 new.jpg

Does your school have its own vehicles?

Yes

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)	3461	12459.60	1,5,2
Electricity from generator (diesel) (litres)	550	25080.00	1,2
Petrol (litres)	0	0.00	0
Diesel (litres)	360	16416.00	4
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)	1	3.60	2,3,5
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	2	103.20	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	4374.00	54062.40	

1. img049 new.jpg

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	17	2	3
Refrigerator	2	255	4
Microwave	2	20	4
Tube Lights	236	28	4
CFL Bulbs	3	28	4
LED Lights	28	7	4

Fans 273 75 4

No documents uploaded by the school.

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

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

20

Are there any alternate sources of energy employed/ installed in your school?

Yes

Name the alternate sources of energy employed/ installed in your school?

Solar

Supporting Documents

1. solar panel.jpg



Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	DARPAN WALIA	darpanwalia@rediffmail.com
2.	SONIA WALIA	waliasonia@rediffmail.com
3.	NANDITA GUPTA	nanditagupta123@gmail.com

Administrative staff

Sno.	Name	Email
1.	DILIP	
2.	NANDLAL	

Students

Sno.	Name	Email	Grade/Class
1.	Vanshaj Chawla		10

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

Yes

Does your school serve midday meals?

No

Do students bring their own lunch from home?

Yes

No documents uploaded by the school.

2(a)(1) How many students out of total student population bring home-made lunch?

1280.00

Of the students who bring lunch from home, how many bring packaged food?

50.00

Do teachers have the responsibility to ensure that students are carrying lunch from home?

No

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	1	800	9
Confectionery items (chocolate, candies, gums)	2	100	9
Ice-cream	2	600	9
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	2	1500	9
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	2	100	9
Packaged/Bottled Energy Drinks	0	0	0

No documents uploaded by the school.

Does your school serve traditional Indian snacks?

Yes

Please provide the details:

Number of plates sold when on the menu

13 of 31

Samosas	50
Idli/vada and sambhar	0
Pav bhaji	50
Momos	0
Others	50

4(b) Give descriptions for rare local snacks served in your school:?

NO

Does your school serve traditional Indian beverages?

Yes

5(a) Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	50
Sweet lassi	30
Salted butter milk	30
Aam Panna	30
Others	40

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

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

No

Does the school distribute chocolates/similar products as refreshments during schools events?

Yes

7(a) Please provide the names?

Five Star Chocolate

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

No

No documents uploaded by the school.



Task 1: Land Audit Team

Teachers

Sno.	Name	Email	
1.	PREETIE KAPANY	preetiekapany@gmail.com	

Administrative staff

Sno.	Name	Email
1.	Rakesh Luthra	

Students

Sno.	Name	Email	Grade/Class
1.	Lakshay Munjal	lakshay	10

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)	16,785
Ground coverage area	2,141
Green landscaped area on-ground	840
Surface parking area	782
Play area that is paved/ concrete on ground	1,881
Play area that has grass on ground	8,131
Service Area on ground	9,102,100
Roof and terrace area	1,935
Green cover on exposed roof & terrace	0
Total built up/constructed area	8,564
Total no. of floors	4

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	55	24	79
Animals	34	1	35

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. List_of_plants_and_animals_1_ %281%29.pdf
- 2. audit team 1.jpg
- 3. greeen cover1.jpg
- 4. green house1.jpg
- 5. native.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Jyoti Sethi	Jyotisehi2812@gmail.com
2.	Sneha Wadhwa	vasuvidu389@gmail.com

Administrative staff

Sno.	Name	Email
1.	Rakesh Luthra	rakesh.luthra59@gmail.com
2.	Chander Kant	chander.kante7@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Aniruddh Baranwal	baranwal1970@gmail.com	9
2.	Tushya Goyal	tushyagoyal123@gmail.com	9
3.	Medha Paliwal	sanjeevpaliwal@gmail.com	9
4.	Hargunpreet Kaur	harpavinder@gmail.com	9

Task 2: How much water does your school use?

 $\label{lem:calculate} \textbf{Calculate your school's water consumption, per activity.}$

Activity	Total Quantity (litres per day)
Drinking	10000
Toilet flushing	9000
Personal cleaning	0
Washing clothes	0
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0

Mopping floors	8000
Gardening	9000
Total	36000

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

Where does the water your school uses, come from?

Surface water, Rain water, Recycled waste water

Who supplies the water in your school?

Municipality, 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?	No
If your school has an eco-club, do they have water component?	No
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?	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

No

Supporting Documents

- 1. DSC_0002.JPG
- 2. DSC_0007 %281%29.pdf

Task 5: Does your school harvest rainwater?

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

Yes

6(a) Does your school harvest different catchments?.

No

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

6(b)(2) Does your school have rainwater storage tank?

Yes

6(b)(2)(a) Total capacity of storage tank (litres)

454249.41

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

3.00

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

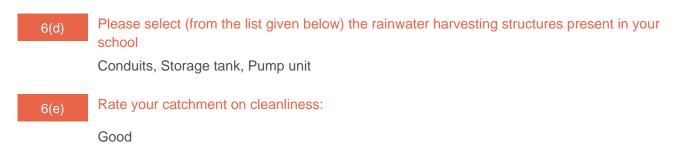
Underground

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

Brick

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

10 to 20 per cent



1. water bill.pdf

Does your school clean your catchment and system (structure?)? Yes Please specify when does your school clean the catchment and RWH system? 6(f)(1) Pre-monsoon Does your school monitor the rainwater harvesting structure for its efficiency? 6(g) Yes Please specify when does your school monitor the groundwater level? 6(g)(1)Pre-monsoon What is the trend of groundwater level in your school across the year? 6(h) If there was an increase, please specify Please specify how much was the increase? 6(h)(1)

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?

Yes

Less than a metre annually

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?	No
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

How many drinking water taps do you have?

14

9 How many hand pumps do you have?

0

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

111

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

	Girls	Boys	Common	Total
Number of toilets	21	23	0	44

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

63

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

34

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

Yes

ls the water supply sufficient?

Yes



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



No documents uploaded by the school.



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Shradha Saini	shradhaatul@gmail.com
2.	Sneha Wadhwa	vasuvidu389@gmail.com

Administrative staff

Sno.	Name	Email
1.	Rakesh Luthra	rakesh.luthra59@gmail.com
2.	Chander Kant Kafle	chander.kafle7@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Takshit Aggarwal	harsh1197@yahoo.com	7
2.	Vansh Abbott	ranjana.abbott10@gmail.com	7
3.	Aaryan Popli	alkapopli12@gmail.com	7
4.	Shubham Sethi	ssmdpkl@gmail.com	7

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)
- 2. Gardener
- 3. Ragpicker

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
--	--------------------------------	--------	---------	-------------------------	-----------------------

Classrooms	48	0	48	0	0
Playgrounds	3	0	0	1	2
Common area (e.g. reception, corridors)	12	0	11	1	0
Staffroom	5	0	5	0	0
Laboratory	4	0	4	0	0
Canteen	1	0	0	1	0
Clinic/ Sick room	1	0	0	1	0
Library	1	0	0	0	1
Toilets	20	0	20	0	0
Others	0	0	0	0	0
Total	95	0	88	4	3

- 1. m_play ground2.JPG
- 2. m_Corridors.JPG

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	50000
Kitchen waste	1000
Paper	100000
Plastic	600
Wood, glass, metal, classroom furniture	1000
E-waste	500
Biomedical waste	0
Sanitary waste	6000

Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	159100

1. DSC_0003.JPG

Task 4: How much waste does your school recycle/treat?

Does your school recycle any generated waste?

Yes

Please provide quantity of which is applicable. (in kilogram)

	Quantity
Garden/ horticulture waste	50000
Kitchen waste	1000
Paper	100000
Plastic	0
Wood, glass, metal, classroom furniture	100
E-waste	1000
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	00
Hazardous waste	0
Total (in kilogram)	152100

Does your school have a composting facility?

Yes

5

1. DSC_0005 new.JPG

What is the methodology used?

Natural composting without added microbes

What is the quantity of compost that is generated per month(in kilogram)?

162,000.00

What is the purpose of the compost that is generated per month?

For horticultural purposesFor school garden

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	×	×	×	∠
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?



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	2	1	1
VCR or DVD players	3	3	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	12	12	0
Heaters	0	0	0
Microwaves	3	3	0
Ovens	1	1	0
Toasters	1	1	0
Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	69	69	0
Laptop computer (CPU, mouse, screen and keyboard included)	43	43	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	8	8	0
Copying equipment (Photocopiers)	3	3	0
Projectors	4	4	0

Whiteboards	10	10	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	25	25	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

1. electronic gadgets in lab.jpg

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

Yes

No documents uploaded by the school.

Who collects your e-waste, when not in working condition?

Authorised dismantler

Task 6: School's initiatives

Does the school have a policy on waste?

No

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

Yes

Supporting Documents

- 1. DSC_0129rally 2.jpg
- 2. reuse.jpg

3. recycling.jpg

What form do these awareness drives take?

As part of extracurricular activities such as guest lectures

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

- 1. m_staff room.JPG
- 2. m_sick room.JPG
- 3. m_reception.JPG
- 4. m_Corridors.JPG



FEEDBACK

Recycling units

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? 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

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

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

How would you rate the overall design of the audit?

Orientation for conducting tasks		Good
9	Would your school like to recommend any topic/s that deleted in the audit? Yes	you strongly feel should be added or
9(a)	If yes, please share your suggestions.	
	Activities conducted by schools. Urinals for boys are s	eparate from toilets
10	Could you finish all the tasks in given period of time online?	
	Yes	
11	How many times did you contact the Green Schools P counseling? Never	rogramme Team for guidance and
12	Water being the focus this year, did you find the quest your school understand how to become water efficient Yes	•

Did your students enjoy doing the Water activities?

Yes

How many students were involved in the activities?

35.00

Checklist of uploaded documents

- 1. PUC certificates of not more than five buses
- 2. Fuel Bills
- 3. Picture of School owned vehicles
- 4. Electricity Bill
- 5. Photographs of lunch boxes
- 6. Traditional food items sold in canteen
- 7. Pictures of Green Cover
- 8. Pictures of landscaped area
- 9. Pictures of dustbins in classroom showing segregation at source
- 10. Pictures of playground with more than two dustbins
- 11. Picture of types of solid waste generated
- 12. Pictures of recycling units composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
- 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