



GREEN SCHOOLS PROGRAMME

Responses For Green Schools Programme Audit 2015

School Name: Shikshantar Senior Secondary school

Address: J Block, South City 1 , India

Coordinator Name: Anandhi Giridhar



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

Shikshantar Senior Secondary school

2

Address

J Block, South City 1

3

Telephone Number (Landline Number with STD code)

(ISD)91 (STD) 124 (NUMBER) 4889100

4

Mobile Number (Mobile Number with STD code)

(ISD)91 (Number)9911708245

5

Principal Name

Anita Nair

6

GSP Coordinator Name

Anandhi Giridhar

7

GSP Coordinator Email

anandhi.giridhar@shikshan

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9971033599

9

Category Of The School

Day Boarding (8 hours)

10

Category For Your School (Not Applicable in Case of Residential Category)

Morning

GENERAL QUESTIONS

1 How many levels does your school have? Please choose what is applicable.

Pre-Primary	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

2 Is your school single gender or mixed gender?

Mixed/Co-education

3 Which board of education does the school follow?

Indian Certificate of Secondary Education

4 Total population of the school

	Male	Female	Total
Students	672	637	1309
Teachers	19	140	159
Non-Teaching Staff	12	11	23
TOTAL	703	788	1491

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?

Sep, Oct, Nov

7 Where is the school located?

Urban Area



Task 1: Air Audit Team

Name of Teacher: Amandeep Kaur

Name of Administrative staff: Arun Kumar, Kalpana Purohit

Name of Students: Abir, Nandika, Mehar, Ishita, Ananya, Muskan, Arjun, Shereen, Hiromi, Shefali

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/xx 100)
Nursery	73.80	13.60	18.43
KG	59.80	14.40	24.08
Class III	45.60	15.60	34.21
Class IV	44.00	14.60	33.18
Class V	67.80	17.80	26.25
Class VIII	68.90	17.90	25.98
Class IX	78.90	17.10	21.67
Class X	69.90	17.80	25.46
Class XI	51.10	17.70	34.64
Class XII	53.20	17.70	33.27
TOTAL	613.00	164.20	

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

3a

Window-floor ratio of classrooms in the school.

	Buses	Cars	Vans	Others	Total
No. of vehicles	5	1	0	0	6
No. of vehicles more than five years old	5	1	0	0	6
Air conditioned	0	0	0	0	0
No. of vehicles with PUC done	5	1	0	0	6

4

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG
Bus	3	0	0	2
Car	1	0	0	0
Van	0	0	0	0
SUB-TOTAL	4	0	0	2

5

How many members of the school community use each type of transport:

	Students	Teaching Staff	Non Teaching Staff	Total
School Bus	683	5	0	688
Public Bus	0	1	0	1
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	50	50	6	106
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	177	13	3	193

Personal two-wheeler	0	57	5	62
Bicycle	5	0	0	5
On foot	30	15	2	47
Others (non-motorised)	0	10	0	10
SUB-TOTAL	945	151	16	1112

6 How many students suffer from respiratory ailments ?

76

7 Does the school laboratory have air quality monitoring equipment?

No

No documents uploaded by the school.



ENERGY

Task 1: Energy Audit Team

Name of Teacher: Amanpreet kaur

Name of Administrative staff: Jaspal Madan, Kalpana Purohit

Name of Students: Aniket Puri, Taarini, Maira, Nivedita, Devina, Ananya, Samhita, Arshiya

1 Does your school have access to an electricity bill?

Yes

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	9159	32972.4	1
Petrol	0	0	0
Diesel	1935.04	88237.824000000001	4
CNG	1497.5	78469	4
Kerosene	0.625	27.9375	5
Coal	0	0	0
Wood	0	0	0
Animal waste	0	0	0
Solar	0	0	0
Wind	0	0	0
LPG	58.3	3008.2799999999997	3,5
Others (specify)	0	0	0
TOTAL	12650.465	202715.44150000002	

4

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

330

5

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

Name of Teacher: Neha Gupta

Name of Administrative staff: Charu Malik

Name of Students: Syona Mehra, karthike, Saahil, Raunak, Arnav

1 Does your school have a canteen?

No

2 Does your school serve midday-meals?

Yes

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

Yes

4 Provide the details of total energy consumed by the 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	0	0	0
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

5 Does your school serve traditional Indian snacks?

Yes

5a Please provide the details:

	Number of plates sold when on the menu
Samosas	0
Idli/vada	1,000
Sambhar	800
Pav bhaji	900
Momos	0
Others	0

6 Does your school serve traditional Indian beverages?

No

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

No

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

No

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

No

Supporting Documents

1. October lunch menu.doc



LAND

Task 1: Land Audit Team

Name of Teacher: Priyanka Sharma

Name of Administrative staff: Jaspal madan, Arun Kumar

Name of Students: Abir, Nandika, Mehar, Ishita, Ananya, Muskan, Arjun, Shereen, Hiromi, Shefali

Task 2: Measure the four critical areas of your school campus

1

Complete the table:

	Your school's area
Ground coverage area	3,703
Green landscaped area on-ground	9,391
Green cover on terrace/ balconies	0
Surface parking area	429
Play area that is paved/ concrete	1,185
Play area that has grass	6,235
Service Area	156
Others	2,655
Total site area in m2	23,754

2

Complete the table:

	Value
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Ground coverage area	3,703
Number of floors	5
Rooftop	6,574
Total built-up area	14,745

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	74	145	219
Animals	2	107	109

Task 4: Find out if your school uses pesticides

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

No

No documents uploaded by the school.



WATER

Task 1: Water Audit Team

Name of Teacher: Sulekha

Name of Administrative staff: Jaspal Madan

Name of Students: Sachi, gaurika, Shrey, Aryan, Kaavya, Shreyas

Task 2: How much water does your school use?

1 What is your school total water consumption per day?

35,000

2 Where does the water you use come from? Please provide the quantity.

	Surface water (streams/ lakes/ ponds, etc)	Ground water (hand pump/ borewell/ well, etc)	Stored rainwater
Municipality	0	0	0
Panchayat	0	0	0
Private supplier	0	0	0
School`s own supply (Example: borewell; rainwater harvesting facility, etc)	0	34.000	1000

3 Do you get 24/7 supply of water?

No

3a How many hours of water supply does your school get?

4

4 Do you use storage tanks to store water?

Yes

4a What is the capacity of the tank(s)?

50,000

4b Where does the water you use come from? Please provide the quantity.

	Morning	After Noon	Evening	As and when required
Municipality	120	0	120	0

5 How many drinking water taps do you have?

32

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

119

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

33

8 Where does the water you use come from? Please provide the quantity.

	Girls	Boys	Common	Total
Number of toilets	7	7	4	18

Task 5: Does your school harvest rainwater?

9 What is the average annual rainfall received by your area (In mm)?

	Local	District	State
Quantity	721	626	573

10 What is the average annual rainfall of your area (In mm)?

	10-year average	25-year average	30-year average
Quantity	680	607.5	628.8

11 What is the number of rainy days in your area?

25

12 Do you have RWH system in your school?

Yes

12a If yes, what kind of RWH system do you use?

Recharging of ground water

Task 6: Does your school reuse/recycle water?

13 Do you recycle/reuse the generated waste water?

No

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Name of Teacher: Gunjan

Name of Administrative staff: Sukhbir Singh, Shivraj Singh

Name of Students: Syona Mehra, karthike, Saahil, Raunak, Arnav

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. Housekeeping

1b Who segregates the waste in classrooms?

1. Housekeeping (Sweeper)

2 Where does the water you use come from? Please provide the quantity.

	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	0	1	0	0
Playgrounds	0	1	0	0
Common area (e.g. reception, corridors)	0	1	0	0

Staffroom	0	1	0	0
Laboratory	0	1	0	0
Canteen	0	0	0	3
Clinic/ Sick room	0	1	0	0
Library	0	1	0	0
Toilets	0	0	0	3
Others	0	1	0	0
Total	0	8	0	6

Task 3: How much waste does your school generate?

3

Determine the quantity of waste generated in your school. (in grams)

	Collection per month (Frequency may differ)
Garden/ horticulture waste	50000
Kitchen waste	0
Paper	150000
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	10000
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in grams)	210000

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

4

Does your school recycle any generated waste?

Yes

4a Determine the quantity of waste generated in your school. (in grams)

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

5 Does your school have a composting facility?

Yes

5a What is the methodology used?

Natural composting without added microbes

5b What is the quantity of compost that is generated per month?

50,000.00

5c What is the purpose of the compost that is generated per month?

Natural composting without added microbesMechanical composting (with electricity/ machines)

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)	✓	✗	✗	✗

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)

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	3	3	0
VCR or DVD players	0	0	0
Refrigerators and freezers	6	6	0
Washing machines	0	0	0

Air conditioners	96	48	48
Heaters	22	20	2
Microwaves	5	5	0
Ovens	1	1	0
Toasters	1	1	0
Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	85	85	0
Laptop computer (CPU, mouse, screen and keyboard included)	3	3	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	8	7	1
Copying equipment (Photocopiers)	2	2	0
Projectors	1	1	0
Whiteboards	0	0	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	10	10	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	50	50	0
Pay telephones	0	0	0
Mobiles	8	8	0
Answering systems	0	0	0

11

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

Yes

11a

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

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

13a

What form do these awareness drives take?

As part of the curriculum
As part of extracurricular activities such as guest lectures
By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

Yes

No documents uploaded by the school.

