



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Sainik School Sujanpur Tira
Address: Distt- Hamirpur HP, Sujanpur, Hamirpur,
Himachal Pradesh, India
Coordinator Name: Neelam Kumari



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

Sainik School Sujanpur Tira

2

Address

Distt- Hamirpur HP, Sujanpur, Hamirpur, Himachal Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 1972 (NUMBER) 272024

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9816332955

5

Principal Name

Lt Col SS Raizada(offg)

6

GSP Coordinator Name

Neelam Kumari

7

GSP Coordinator Email

surya.29@rediffmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9805721915

9

Category Of The School

Day Boarding + Residential

10

School Shifts

Both

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?

Only boys

3

Which board of education does the school follow?

Central Board of Secondary Education

4

Total permanent population of the school

	Male	Female	Total
Students	533	0	533
Teachers	13	11	24
Non-Teaching Staff	91	0	91
TOTAL	637	11	648

4(b)

How many visitors visit your school

65

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?

Aug, Sep, Oct

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Mrs Meenakshi Rana	Mrs Meenakshi Rana
2.	Mrs Indu Dahiya	Indu522@gmail.com
3.	Mr J.K Verma	jaiverma25nov@gmail.com

Administrative staff

Sno.	Name	Email
1.	Kehar Singh	

Students

Sno.	Name	Email	Grade/Class
1.	Cdt Vikram Thakur	jf.randycena@gmail.com	11
2.	Cdt Devansh Shrestha	shresthadevansh71@gmail.com	11
3.	Cdt Ankush Thakur	thakurankush636@gmail.com	11

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

1 How many classrooms does your school have?

17

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 A,B and C total area	168.24	23.46	13.94
7 A and B total area	113.60	15.64	13.77
8 A and B total area	113.60	15.64	13.77
9 A,B and C total area	168.24	23.46	13.94
10 A,B and C total area	168.24	23.46	13.94

11 A	56.08	7.82	13.94
11 B	56.08	7.82	13.94
12 A	56.08	7.82	13.94
12 B	56.08	7.82	13.94
0	0.00	0.00	0.00
TOTAL	956.24	132.94	

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	1	1	1	0	3
No. of vehicles more than five years old	1	0	0	0	1
Air conditioned	0	1	0	0	1
No. of vehicles with PUC done	1	1	1	0	3
Parking area (m2)	23	16	20	0	59

Supporting Documents

1. 20161117_152623.jpg
2. 20161117_161104.jpg

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	1	0	0	0	0	0
Car	1	0	0	0	0	0

Van	0	0	0	0	0	0
Other vehicles	1	0	0	0	0	0
SUB-TOTAL	3	0	0	0	0	0

Supporting Documents

1. 20161117_131341.jpg
2. 20161117_131357.jpg
3. DSC02998.JPG
4. DSC02937.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	0	0	0	0
Public Bus	0	0	0	0
School Transport(Other than bus)	0	0	1	1
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	6	3	9
Personal two-wheeler	0	10	5	15
Bicycle	0	0	0	0
On foot	533	8	82	623
Others (non-motorised)	0	0	0	0
SUB-TOTAL	533	24	91	648

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.	Mrs Kumari Renu	renuchaudhari2k@gmail.com
2.	Mr Susheel kumar	susheelkango@gmail.com
3.	Mrs Suman Thakur	thakursuman421@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr Om Prakash	

Students

Sno.	Name	Email	Grade/Class
1.	Cdt Aaryan Shama	aaryanshama7@gmail.com	11
2.	Cdt Nikhil Katoch	nikhil3004katoch@gmail.com	11
3.	Cdt Anshul Thakur	anshulthakur.2960@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. 20161117_130920.jpg

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
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Electricity from the board (kwh)	20	72.00	1
Electricity from generator (diesel) (litres)	0	0.00	1
Petrol (litres)	0	0.00	0
Diesel (litres)	250	11400.00	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)	0.85	3.06	1
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	1332	68731.20	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1602.85	80206.26	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	9	1.5	3
Refrigerator	1	65	3
Microwave	0	0	0
Tube Lights	175	40	2
CFL Bulbs	53	36	3
LED Lights	0	0	0
Fans	84	0	2

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?

298

6

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

Yes

6(a)

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

Solar

Supporting Documents

1. DSC02996.JPG

2. DSC03018.JPG



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Ms Pushpa Kumari	pshpk666@gmail.com
2.	Mrs Pooja Chauhan	poojassn@gmail.com
3.	Mrs Bhumika Sharma	sharmabhumika40@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr Rattan	

Students

Sno.	Name	Email	Grade/Class
1.	Cdt Aashish Jarial	ajarial1@gmail.com	11
2.	Cdt Kartik Rana	ksrana198@gmail.com	11
3.	Cdt Akash Kaundal	akkaundal012@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?

No

2(a)

Do students bring their own lunch from home?

No

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	26	80	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	2	26	10
Potato fries and Burgers	0	0	10
Confectionery items (chocolate, candies, gums)	12	75	10
Ice-cream	0	0	10
Carbonated beverages	4	45	10
Sugar sweetened noncarbonated beverages	0	0	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	4	47	10
Packaged/Bottled Energy Drinks	0	0	10

No documents uploaded by the school.

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?

Yes

7(a)

Please provide the names?

Parle Happy Happy

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.	Mr Suresh Kumar	sureshhamirpur@gmail.com
2.	Mr B.D Vashishtha	bdvashishtha@gmail.com
3.	Mr Arvind Verma	arvind.574@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr Kishori	

Students

Sno.	Name	Email	Grade/Class
1.	Cdt Nikhil Thakur	nikhiltakur.com@gmail.com	11
2.	Cdt Ojaswi Chauhan	chauhanojaswi68@gmail.com	11
3.	Cdt Subam Singh	subamsingh27@gmail.com	11

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)	175,119
Ground coverage area	7,450
Green landscaped area on-ground	99,560
Surface parking area	59
Play area that is paved/ concrete on ground	16,550
Play area that has grass on ground	51,500
Service Area on ground	0
Roof and terrace area	0

Green cover on exposed roof & terrace	0
Total built up/constructed area	107,010
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	86	25	111
Animals	49	1	50

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

Teachers

Sno.	Name	Email
1.	Mrs Indu Puri	indupuri6@gmail.com
2.	Mr Sanjay Thakur	sanjju19aug@gmail.com
3.	Mrs Pooja Chauhan	poojassn@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr Ashok	

Students

Sno.	Name	Email	Grade/Class
1.	Cdt Kashish Guleria		

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	1266
Toilet flushing	1000
Personal cleaning	600
Washing clothes	0
Cooking	0
Cleaning Utensils	5
Washing Vegetables	0
Mopping floors	70
Gardening	500

Total	3441
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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?
Panchayat
- 4 Does your school get daily water supply?
Yes
- 4(a) If supply of water is daily, please tick the correct option
2-6 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?	Yes
Does your school use a drip or irrigation system?	Yes
Any other step taken for water conservation? (if Yes, please specify)	Yes

Supporting Documents

1. DSC02962.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).

5665678

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?	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

8

How many drinking water taps do you have?

10

9

How many hand pumps do you have?

3

10

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

14

11

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

	Girls	Boys	Common	Total
Number of toilets	2	3	0	5

12

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

40

13

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

15

14

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

No

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

Used for groundwater recharge

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Mr U.K Modgil	ukmodgil@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr Deshraj	

Students

Sno.	Name	Email	Grade/Class
1.	Cdt Mayank Gupta	mayankgupta2970@gmail.com	11
2.	Cdt Saksham Raj	sakshamraj38@gmail.com	11
3.	Cdt Shakti Agnivesh	agniveshshakti67@gmail.com	11

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 (Sweeper)

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	1	0	1	0	0
Common area (e.g. reception, corridors)	1	0	1	0	0
Staffroom	4	0	4	0	0

Laboratory	6	0	6	0	0
Canteen	2	0	2	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	2	0	2	0	0
Others	0	0	0	0	0
Total	34	0	34	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	20
Kitchen waste	30
Paper	30
Plastic	80
Wood, glass, metal, classroom furniture	60
E-waste	5
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	225

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)?

20.00

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

For horticultural purposesFor 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)

Supporting Documents

1. 20161117_155514.jpg

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	4	4	0
VCR or DVD players	0	0	0
Refrigerators and freezers	1	1	0
Washing machines	2	2	0
Air conditioners	9	9	0
Heaters	2	2	0
Microwaves	0	0	0
Ovens	1	1	0
Toasters	0	0	0
Electric Kettles	0	0	0

Personal computers (CPU, mouse, screen and keyboard included)	88	88	0
Laptop computer (CPU, mouse, screen and keyboard included)	16	16	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	24	24	0
Copying equipment (Photocopiers)	1	1	0
Projectors	30	30	0
Whiteboards	30	30	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	12	12	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	0	0	0
Pay telephones	0	00	0
Mobiles	0	0	0
Answering systems	1	1	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?

Authorised dismantler

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?

No

Supporting Documents

1. 20161117_155514.jpg
2. 20161117_160035.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?

1

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?

No

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?

by motivating school adm staff and extra time to do this

8

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Good
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?

Yes

9(a)

If yes, please share your suggestions.

Food should be deleted because residential schools provide only cooked food no UPPF is being provided by the school to students

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?

60.00

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. Picture of Renewable sources of Energy
6. Pictures of Green Cover
7. Pictures of landscaped area
8. Picture of types of solid waste generated
9. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
10. Pictures of housekeeping staff disposing different types of solid waste
11. Pictures of respective audit teams doing survey