



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: The Shri Ram School, Aravali
Address: Hamilton Court Complex, Phase IV, DLF
City, Gurgaon, Gurgaon, Haryana, India
Coordinator Name: Ms. Dipanwita Depgupta



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

The Shri Ram School, Aravali

2

Address

Hamilton Court Complex, Phase IV, DLF City, Gurgaon, Gurgaon, Haryana, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 124 (NUMBER) 4784300

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9871464814

5

Principal Name

Ms. Sudha Sahay

6

GSP Coordinator Name

Ms. Dipanwita Depgupta

7

GSP Coordinator Email

dipanwita.debgupta@tsrs.org

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9818207682

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?

Indian Certificate of Secondary Education

4 Total permanent population of the school

	Male	Female	Total
Students	1214	1166	2380
Teachers	19	196	215
Non-Teaching Staff	200	200	400
TOTAL	1433	1562	2995

4(b) How many visitors visit your school

100

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

200

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

Oct, Nov

7 Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	dipanwita debgupta	dipanwita debgupta

Administrative staff

Sno.	Name	Email
1.	jayasree rajeevan	jayasree.rajeevan@tsrs.org

Students

Sno.	Name	Email	Grade/Class
1.	Navya Bajaj	bajaj.navya0606@gmail.com	10

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

1

How many classrooms does your school have?

84

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)
11H2	45.00	9.85	21.89
12C2	47.00	10.00	21.28
10D	48.60	9.85	20.27
9B	64.68	14.00	21.65
8F	46.00	9.85	21.41
6A	46.00	9.85	21.41
2F	46.00	9.85	21.41
4E	47.40	10.00	21.10

UP B	41.90	10.00	23.87
PV B	47.40	9.90	20.89
TOTAL	479.98	103.15	

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?

Operator-owned vehicles

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
School Bus	1845	272	23	2140
Public Bus	0	0	0	0
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	650	65	18	733
Personal two-wheeler	0	0	45	45
Bicycle	25	0	10	35
On foot	32	10	0	42
Others (non-motorised)	0	0	0	0
SUB-TOTAL	2552	347	96	2995

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

5

How many students suffer from respiratory ailments ?

110

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?

Yes



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	dipanwita debgupta	dipanwita.debguta@tsrs.org

Administrative staff

Sno.	Name	Email
1.	jayasree rajeevan	jayasree.rajeevan@tsrs.org

Students

Sno.	Name	Email	Grade/Class
1.	Madhav Mohan	madhav.mohan1227@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. DSC00094 %28Mobile%29.JPG

2

Does your school have its own vehicles?

No

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)	95	342.00	1
Electricity from generator (diesel) (litres)	600	27360.00	1

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)	1140	58824.00	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	1835.00	86526.00	

Supporting Documents

1. DSC00096 %28Mobile%29.JPG

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	114	1	5
Refrigerator	12	165	5
Microwave	12	24	5
Tube Lights	360	40	4
CFL Bulbs	120	15	4
LED Lights	100	10	4
Fans	336	75	5

Supporting Documents

1. DSC00084 %28Mobile%29.JPG

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

5

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

360

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.	priya kartikeya	priya.kartikeya@tsrs.org

Administrative staff

Sno.	Name	Email
1.	jayasree rajeevan	jayasree.rajeevan@tsrs.org

Students

Sno.	Name	Email	Grade/Class
1.	Vedant Bhasin	vedantbhasin@yahoo.co.in	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
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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	5	400	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0
Packaged/Bottled Energy Drinks	0	0	0

No documents uploaded by the school.

4

Does your school serve traditional Indian snacks?

Yes

4(a)

Please provide the details:

	Number of plates sold when on the menu
Samosas	230
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	160

4(b)

Give descriptions for rare local snacks served in your school:?

We serve also samosa's and bhel puri in our school canteen.

5

Does your school serve traditional Indian beverages?

Yes

5(a)

Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	25
Sweet lassi	0
Salted butter milk	0
Aam Panna	0
Others	0

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

Supporting Documents

1. DSC00104 %28Mobile%29.JPG



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	sauma bhattacharya	sauma.bhattacharya@tsrs.org

Administrative staff

Sno.	Name	Email
1.	ashwani yadav	ashwani.yadav@tsrs.org

Students

Sno.	Name	Email	Grade/Class
1.	Anousha Singhal	anoushasinghal18052000@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)	24,281
Ground coverage area	4,047
Green landscaped area on-ground	4,047
Surface parking area	4,047
Play area that is paved/ concrete on ground	4,047
Play area that has grass on ground	4,047
Service Area on ground	4,600
Roof and terrace area	1,600
Green cover on exposed roof & terrace	0
Total built up/constructed area	109,264
Total no. of floors	7

Others	0
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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	850	0	850
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?

No

Supporting Documents

1. DSC00085 %28Mobile%29.JPG
2. DSC00086 %28Mobile%29.JPG
3. DSC00087 %28Mobile%29.JPG
4. DSC00088 %28Mobile%29.JPG
5. DSC00101 %28Mobile%29.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	sauma bhattacharya	sauma.bhattacharya@tsrs.org

Administrative staff

Sno.	Name	Email
1.	ashwani yadav	ashwan. yadav@tsrs.org

Students

Sno.	Name	Email	Grade/Class
1.	Ojasvi Khanna	ojasvikhanna@gmail.com	11

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	16000
Toilet flushing	34000
Personal cleaning	5000
Washing clothes	0
Cooking	25000
Cleaning Utensils	40000
Washing Vegetables	3000
Mopping floors	59000
Gardening	21000
Total	203000

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, Recycled waste water

3 Who supplies the water in your school?

Private supplier

4 Does your school get daily water supply?

Yes

4(a) If supply of water is daily, please tick the correct option

19-24 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?	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?	Yes
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. DSC00091 %28Mobile%29.JPG
2. DSC00092 %28Mobile%29.JPG

Task 5: Does your school harvest rainwater?

6

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

Yes

6(a)

Does your school harvest different catchments?.

Yes

6(a)(1)

Which is the catchment area being harvested by your school?

Unpaved

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.

Mopping

6(b)(2)

Does your school have rainwater storage tank?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

40000.00

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?

21 to 30 per cent

6(d)

Please select (from the list given below) the rainwater harvesting structures present in your school

Recharge structure

6(e)

Rate your catchment on cleanliness:

Good

No documents uploaded by the school.

6(f)

Does your school clean your catchment and system (structure)?

Yes

6(f)(1)

Please specify when does your school clean the catchment and RWH system?

Pre-monsoon

6(g)

Does your school monitor the rainwater harvesting structure for its efficiency?

Yes

6(g)(1)

Please specify when does your school monitor the groundwater level?

Pre-monsoon

6(h)

What is the trend of groundwater level in your school across the year?

No change

6(i)

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

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?

150

9 How many hand pumps do you have?

0

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

100

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

	Girls	Boys	Common	Total
Number of toilets	35	35	0	70

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

70

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

45

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.	sauma bhattacharya	sauma.bhattacharya@tsrs.org

Administrative staff

Sno.	Name	Email
1.	ashwani yadav	ashwani.yadav@tsrs.org

Students

Sno.	Name	Email	Grade/Class
1.	Karmanya Duggal	karmanya.duggal@tsrs.org	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. 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	84	0	0	84	0
Playgrounds	6	0	6	0	0
Common area (e.g. reception, corridors)	3	0	3	0	0
Staffroom	15	0	0	15	0
Laboratory	8	0	0	8	0

Canteen	6	0	6	0	0
Clinic/ Sick room	1	0	0	0	1
Library	2	0	2	0	0
Toilets	16	0	0	16	0
Others	0	0	0	0	0
Total	141	0	17	123	1

Supporting Documents

1. DSC00144 %28Mobile%29.JPG
2. DSC00145 %28Mobile%29.JPG
3. DSC00141 %28Mobile%29.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	10
Kitchen waste	100
Paper	240
Plastic	0
Wood, glass, metal, classroom furniture	5
E-waste	18
Biomedical waste	27
Sanitary waste	75
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	475

Supporting Documents

1. DSC00127 %28Mobile%29.JPG
2. DSC00147 %28Mobile%29.JPG
3. DSC00148 %28Mobile%29.JPG

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

4

Does your school recycle any generated waste?

Yes

4a

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

	Quantity
Garden/ horticulture waste	10
Kitchen waste	100
Paper	150
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	260

5

Does your school have a composting facility?

Yes

Supporting Documents

1. DSC00149 %28Mobile%29.JPG

5a

What is the methodology used?

Mechanical composting (with electricity/ machines)

5b

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

10.00

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)	✗	✓	✗	✗

Supporting Documents

1. DSC00152 %28Mobile%29.JPG

Task 5: How does your school dispose waste?

8

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

Landfill Site

Supporting Documents

1. DSC00122 %28Mobile%29.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	3	3	
VCR or DVD players	0	0	
Refrigerators and freezers	15	15	
Washing machines	1	1	
Air conditioners	114	114	
Heaters	20	20	
Microwaves	12	12	
Ovens	1	1	
Toasters	2	2	
Electric Kettles	50	50	
Personal computers (CPU, mouse, screen and keyboard included)	40	40	
Laptop computer (CPU, mouse, screen and keyboard included)	170	170	

Notebook computers	0	0	
Notepad computers	0	0	
Printers	30	30	
Copying equipment (Photocopiers)	2	2	
Projectors	80	80	
Whiteboards	90	90	
Electrical & electronic typewriters	0	0	
Pocket & desk calculators	0	0	
Fax machines	1	1	
Telex	0	0	
Telephones	50	50	
Pay telephones	0	0	
Mobiles	0	0	
Answering systems	0	0	

Supporting Documents

1. DSC00121 %28Mobile%29.JPG
2. DSC00139 %28Mobile%29.JPG

11

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

Yes

Supporting Documents

1. E-waste Certificate 2012 %28440x640%29.jpg

11a

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

Authorised dealer

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

Supporting Documents

1. DSC00133 %28Mobile%29.JPG

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

Supporting Documents

1. DSC00104 %28Mobile%29.JPG



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?

Resources

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?

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?

6.00

Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Picture of 5 star appliances used by school
4. Picture of Mid-day meal being served
5. Picture of Canteen selling UPPF
6. Traditional food items sold in canteen
7. Pictures of Events sponsored by UPPF companies
8. Pictures of Green Cover
9. Pictures of landscaped area
10. Building construction plan
11. Pictures of dustbins in classroom showing segregation at source
12. Pictures of playground with more than two dustbins
13. Picture of audit team weighing solid waste
14. Picture of types of solid waste generated
15. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
16. Pictures of housekeeping staff disposing different types of solid waste
17. Pictures of Electronic items used by school and storage of non-working electronic items
18. Certificate of disposing e-waste from authorised dealer/dismantler
19. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
20. Pictures of respective audit teams doing survey