



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** Lala Jagat Narain DAV Model School  
**Address:** Lane No-4, Kabir Nagar, Jalandhar, Kabir  
Nagar, Jalandhar, Jalandhar, Jalandhar,  
Punjab, India  
**Coordinator Name:** Suman Sharma



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**

Lala JAgat Narain DAV Model School

2

**Address**

Lane No-4, Kabir Nagar, Jalandhar, Kabir Nagar, Jalandhar, Jalandhar, Jalandhar, Punjab, India

3

**Telephone Number (Landline Number with STD code)**

(ISD) 91 (STD) 0181 (NUMBER) 2201739

4

**Mobile Number (Mobile Number with STD code)**

(ISD) 91 (Number) 9872666639

5

**Principal Name**

Anita Nanda

6

**GSP Coordinator Name**

Suman Sharma

7

**GSP Coordinator Email**

viksum67@yahoo.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9814867165

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?

Central Board of Secondary Education

4

Total permanent population of the school

	Male	Female	Total
Students	902	608	1510
Teachers	4	60	64
Non-Teaching Staff	14	24	38
TOTAL	920	692	1612

4(b)

How many visitors visit your school

50

5

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

230

6

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

Aug, Sep, Oct

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Ms. Minakshi	Ms. Minakshi

#### Administrative staff

Sno.	Name	Email
1.	Mr. Pakaj Sharma	
2.	Mr. Manoj	
3.	Mr. Rajinder	

#### Students

Sno.	Name	Email	Grade/Class
1.	Aditya Atwal		7
2.	Ravinder		7
3.	Riya Sharma		10
4.	Simran		10
5.	Nishtha	nishtha289712@gmail.com	10
6.	Nandini		10
7.	Jasleen		10
8.	Rajvir Kaur		6
9.	Abhay		9
10.	Bhavjeet		9

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

1 How many classrooms does your school have?

50

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)
-------------------------------------------------------	----------------------------	-------------------------------	--------------------------------------------------------------

Pre-Primary	39.94	19.44	48.67
UKG	39.94	19.44	48.67
Ist	39.94	19.44	48.67
7th	68.25	18.33	26.86
8th	68.25	18.33	26.86
9th	68.25	18.33	26.86
10th	68.25	18.33	26.86
10+1 N.M	51.08	16.57	32.44
10+2 Comm	51.09	16.57	32.43
10+2 N.M	51.08	16.57	32.44
<b>TOTAL</b>	<b>546.07</b>	<b>181.35</b>	

### 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?

A combination of school-owned and operator-owned vehicles

3(a)

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	0	1	0	0	1
No. of vehicles more than five years old	0	0	0	0	0
Air conditioned	0	0	0	0	0
No. of vehicles with PUC done	0	0	0	0	0
Parking area (m2)	0	250	0	1750	2000

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	0	0	0	0	0	0
Car	0	1	0	0	0	0
Van	0	0	0	0	0	0
Other vehicles	0	0	0	0	0	0
<b>SUB-TOTAL</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### Supporting Documents

1. IMG\_0001.JPG
2. IMG\_0002.JPG
3. IMG\_0003.JPG
4. IMG\_0004.JPG
5. collage-2016-11-18 %2810%29.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	0	0
Public transport (other than bus, Metro, car pool)	100	7	5	112
Taxi four-wheeler	110	8	2	120
Taxi three-wheeler	394	12	8	414
Personal four-wheeler	0	2	2	4
Personal two-wheeler	0	27	8	35
Bicycle	206	2	6	214
On foot	400	2	8	410

Others (non-motorised)	300	2	1	303
SUB-TOTAL	1510	62	40	1612

### 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.	Ms. Minakshi	minakshiarora50@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Pankaj Sharma	
2.	Mr. Munish Kalia	
3.	Mr. Rajinder	
4.	Mr. Happy	
5.	Mr. Manoj	

#### Students

Sno.	Name	Email	Grade/Class
1.	Nishtha		10
2.	Jasleen		10
3.	Nandini		10
4.	Riya Sharma		10
5.	Abhay		9
6.	Bhavjeet		9
7.	Sparsh		7
8.	Karan Pal		6
9.	Ritik Mehra		7
10.	Rajvir Kaur		6

### Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes



## Supporting Documents

1. IMG\_0005.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
Electricity from the board (kwh)	3500	12600.00	1
Electricity from generator (diesel) (litres)	162	7387.20	1
Petrol (litres)	130	6071.00	4
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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	3792.00	26058.20	

## Supporting Documents

1. IMG\_0001.JPG

2. IMG\_0002.JPG

3. IMG\_0003.JPG

## 4. IMG\_0004.JPG

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	2	2	3
Refrigerator	2	2	3
Microwave	0	0	0
Tube Lights	74	36	0
CFL Bulbs	67	45	0
LED Lights	30	30	0
Fans	186	80	0

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?

28

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.	Ms. Shivanshi Bali	bali.shivanshi@gmail.com
2.	Ms. Minakshi	minakshiarora50@gmail.com
3.	Mr. kamal Maini	kamal.maini86@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mrs. Sushma	
2.	Mrs. Rajwant Kaur	
3.	Ms. Krishna	
4.	Mrs. Parminder	
5.	Mrs. Rani	

#### Students

Sno.	Name	Email	Grade/Class
1.	Ansh		6
2.	Saksham		6
3.	Mayuri		6
4.	Himanshi		7
5.	Nitin		6
6.	Nitish		6
7.	Megha		6
8.	Mohit		6
9.	Keshav		6
10.	Lovish		6

### 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

No

2

Does your school serve midday meals?

No

2(a)

Do students bring their own lunch from home?

Yes

### Supporting Documents

1. IMG\_5303.JPG
2. Healthy food day.jpg
3. IMG\_0013...JPG
4. IMG\_0002.JPG

2(a)(1)

How many students out of total student population bring home-made lunch?

1612.00

2(a)(2)

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

0.00

2(a)(3)

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

Yes

### 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	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

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?

No

8

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

No

#### Supporting Documents

1. IMG\_0003.JPG
2. collage-2016-11-18 %289%29.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	sourav	sourabchhabra9@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Shamu Pal	
2.	Sushma	
3.	Ramasrey	
4.	Rajwant	
5.	Gansham	

#### Students

Sno.	Name	Email	Grade/Class
1.	Rahul		10
2.	Hitesh		10
3.	Arihant		10
4.	Shreya		10
5.	Shreya Sharma		9
6.	Garima Sharma		8
7.	Divya Puri		9
8.	Neha		6
9.	Amanpreet		9
10.	Himani		9

### 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 <sup>2</sup> )	31,713

Ground coverage area	2,610
Green landscaped area on-ground	8,725
Surface parking area	2,000
Play area that is paved/ concrete on ground	918
Play area that has grass on ground	6,514
Service Area on ground	2,384
Roof and terrace area	2,108
Green cover on exposed roof & terrace	0
Total built up/constructed area	5,219
Total no. of floors	2
Others	8,562

### 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	200	0	200
Animals	10	0	10

### 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. Blocks...jpg
2. Building.jpg
3. Fresh Air.jpg
4. Freshness.jpg
5. Parking Area.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr. Kamal Maini	kamal.maini86@gmail.com
2.	Ms. Shivanshi Bali	bali.shivanshi@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Pankaj	
2.	Mr. Rajinder	

#### Students

Sno.	Name	Email	Grade/Class
1.	Himanshu		9
2.	Raghav		9
3.	Sahil		9
4.	Varinder		9
5.	Sehbaj		9
6.	Mohit		9
7.	Onam		9
8.	Nitin		9
9.	Yuvraj		9
10.	Sahil		8

### 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	3750
Toilet flushing	450
Personal cleaning	1500



Washing clothes	0
Cooking	0
Cleaning Utensils	20
Washing Vegetables	0
Mopping floors	80
Gardening	2000
Total	7800

### 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

3 Who supplies the water in your school?

School's own supply (bore well, rainwater harvesting facility, etc)

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?	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?	No
Are dual flush systems installed in the toilets?	No

Does your school encourage bottled water for drinking water?	Yes
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. IMG\_0016.JPG
2. collage-2016-11-18 %284%29.jpg
3. Poster making.jpg
4. Water cooler.jpg
5. IMG-00111.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).

4

## 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?

70

9 How many hand pumps do you have?

0

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

30

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

	Girls	Boys	Common	Total
Number of toilets	20	30	12	62

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

10

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

10

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

More than 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 gardening and horticulture

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Anu Sharma	anuridhidhriti@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Ram Asray	
2.	Shamu Pal	
3.	Parvesh	
4.	Suman	
5.	Meena	

#### Students

Sno.	Name	Email	Grade/Class
1.	Sujal		5
2.	Krish		5
3.	Nitin		5
4.	Navdeep		5
5.	Manik		5
6.	Ridhi		5
7.	Siya		5
8.	Arman		5
9.	Rohit		5
10.	Karambir		5

### 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	50	0	0	50	0
Playgrounds	10	0	0	10	0
Common area (e.g. reception, corridors)	6	0	0	6	0
Staffroom	4	0	0	0	4
Laboratory	4	0	0	4	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	2	0	0	2	0
Toilets	16	0	0	16	0
Others	6	0	0	6	0
Total	98	0	0	94	4

### Supporting Documents

1. Segregation.JPG
2. IMG\_0001.JPG
3. IMG\_0094.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	0
Paper	4
Plastic	0.5

Wood, glass, metal, classroom furniture	0.1
E-waste	0.1
Biomedical waste	0.05
Sanitary waste	0.05
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	14.8

### Supporting Documents

1. Weighing solid waste.jpg
2. types.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	0
Paper	4
Plastic	0.5
Wood, glass, metal, classroom furniture	0.1
E-waste	0.1
Biomedical waste	0
Sanitary waste	.05
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total (in kilogram)

14.75

5

Does your school have a composting facility?

Yes

## Supporting Documents

1. IMG\_0011.JPG

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)?

5.50

5c

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

For school garden

6

Does your school encourage students &amp; 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. IMG\_0020.JPG
2. IMG\_0030012.JPG
3. IMG\_0040.JPG
4. IMG\_0041.JPG

## 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. 20161112\_133723.jpg
2. 20161112\_133629.jpg
3. 20161112\_140459.jpg
4. IMG-20161118-WA0010.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	0	0	0
VCR or DVD players	0	0	0
Refrigerators and freezers	2	2	0
Washing machines	0	0	0

Air conditioners	2	2	0
Heaters	2	2	0
Microwaves	0	0	0
Ovens	7	7	0
Toasters	0	0	0
Electric Kettles	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	19	19	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	5	5	0
Copying equipment (Photocopiers)	1	1	0
Projectors	5	5	0
Whiteboards	3	3	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	3	3	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	2	2	0
Pay telephones	0	0	0
Mobiles	1	1	0
Answering systems	0	0	0

### Supporting Documents

1. 20161112\_140731.jpg
2. IMG-20161115-WA0004.jpg
3. 20161118\_141654.jpg
4. 20161118\_141715.jpg

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?

Yes

### Supporting Documents

1. IMG\_0007.JPG
2. IMG\_0033.JPG
3. IMG\_0009.JPG

13a

What form do these awareness drives take?

As part of the curriculum

14

Is the study of the environment integrated into the curriculum?

Yes

### Supporting Documents

1. IMG-20161118-WA0000.jpg
2. IMG-20161118-WA0006.jpg
3. IMG-20161118-WA0016.jpg
4. IMG-20161118-WA0010.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?

One time

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

7

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

We want to install Water Harvesting System.

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	Average
9	<p>Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?</p> <p>No</p>
10	<p>Could you finish all the tasks in given period of time online?</p> <p>Yes</p>
11	<p>How many times did you contact the Green Schools Programme Team for guidance and counseling?</p> <p>Once</p>
12	<p>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?</p> <p>Yes</p>
13	<p>Did your students enjoy doing the Water activities?</p> <p>Yes</p>
13(a)	<p>How many students were involved in the activities?</p> <p>150.00</p>

### Checklist of uploaded documents

1. Fuel Bills
2. Picture of School owned vehicles
3. Electricity Bill
4. Photographs of lunch boxes
5. Pictures of Green Cover
6. Pictures of landscaped area
7. Pictures of dustbins in classroom showing segregation at source
8. Pictures of playground with more than two dustbins
9. Picture of audit team weighing solid waste
10. Picture of types of solid waste generated
11. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
12. Pictures of Electronic items used by school and storage of non-working electronic items
13. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
14. Pictures of respective audit teams doing survey