

Responses for Green Schools Programme Audit 2016

School Name: K V SPG DWARKA

Address: KV SPG COMPLEX, SECTOR 8

DWARKA, Delhi, Delhi, Delhi, India

Coordinator Name: Ms Tripti 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

Name of the School / Institution

K V SPG DWARKA

2 Address

KV SPG COMPLEX, SECTOR 8 DWARKA, Delhi, Delhi, Delhi, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 011 (NUMBER) 25090426

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9911324545

5 Principal Name

Mrs Sunita Rai

6 GSP Coordinator Name

Ms Tripti Sharma

GSP Coordinator Email

tripti_roz@yahoo.co.in

GSP Coordinator Mobile Number

(ISD)91 (Number) 7042527854

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:10

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	798	657	1455
Teachers	3	40	43
Non-Teaching Staff	6	2	8
TOTAL	807	699	1506

4(b) How many visitors visit your school

7

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

354

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

Oct

Where is the school located?

Urban Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	TRIPTI SHARMA	TRIPTI SHARMA
2.	SUNITA LAKHERA	sunitalakhera20@gmail.com
3.	KIRAN PANDEY	kvspgdwarkadelhi@gmail.com

Administrative staff

Sno.	Name	Email
1.	GURMEET KAUR	kvspgdwarkadelhi@gmail.com

Students

Sno.	Name	Email	Grade/Class
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2.	V. PAVITRA	pavilovesdad@gmail.com	10
3.	AMRAVATI	laishramanmie@gmail.com	10
4.	AISHWARYA	rajkangadath@yahoo.com	10
5.	ARYAN RAJ	ranjanrajiv533@gmail.com	9
6.	SAYANDIP	dipankarchoudhury75@gmail.com	9
7.	ARYAN	sanjeevdogra74@gmail.com	8
8.	ARMAAN	sanjeevdogra74@gmail.com	8
9.	KHUSHI	jhasajan79@gmail.com	8
10.	ASHISH PATHAK	pathakashokkumar1973@gmail.com	9

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

How many classrooms does your school have?

36

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)

9 A	47.96	12.95	27.01
9 B	47.96	12.95	27.01
8 C	47.96	12.95	27.01
8 D	47.96	12.95	27.01
7 C	47.96	12.95	27.01
7 D	47.96	12.95	27.01
6 A	47.96	12.95	27.01
3 B	47.96	12.95	27.01
3 C	47.96	12.95	27.01
2 C	47.96	12.95	27.01
TOTAL	479.55	129.55	

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?

School does not use or own vehicles

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	0	0	0	0
Public Bus	18	4	1	23
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	200	4	0	204
Taxi four-wheeler	6	0	0	6
Taxi three-wheeler	6	0	0	6
Personal four-wheeler	60	15	1	76
Personal two-wheeler	100	4	2	106

Bicycle	181	0	2	183
On foot	880	16	2	898
Others (non-motorised)	4	0	0	4
SUB-TOTAL	1455	43	8	1506

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



10

Does the school laboratory have air quality monitoring equipment?

No

No documents uploaded by the school.

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.	TRIPTI SHARMA	tripti_roz@yahoo.co.in
2.	SUNITA LAKHERA	sunitalakhera20@gmail.com
3.	KIRAN PANDEY	kvspgdwarkadelhi@gmail.com

Administrative staff

Sno.	Name	Email
1.	GURMEET KAUR	kvspgdwarkadelhi@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	YASHVARDHAN	rajeevgupta.im@gmail.com	10
2.	V. PAVITRA	pavilovesdad@gmail.com	10
3.	AMRAVATI	laishramanmie@gmail.com	10
4.	ARYAN RAJ	ranjanrajiv533@gmail.com	9
5.	SAYANDIP	dipankarchoudhury75@gmail.com	9
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7.	ARMAN	sanjeevdogra74@gmail.com	8
8.	KHUSHI	jhasajan79@gmail.com	8
9.	ASHISH PATHAK	pathakashokkumar1973@gmail.com	9
10.	AISHWARYA	rajkangadath@yahoo.com	10

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

No

No documents uploaded by the school.

Does your school have its own vehicles?

No

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)	35	126.00	0
Electricity from generator (diesel) (litres)	32	1459.20	0
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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	67.00	1585.20	

No documents uploaded by the school.

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	11	1.5	3
Refrigerator	2	80	5
Microwave	0	0	0

Tube Lights	795	28	85%
CFL Bulbs	30	15	3
LED Lights	0	0	0
Fans	242	25	0

Supporting Documents

- 1. 20161116_083042.jpg
- 2. 20161116_083058.jpg

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

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

305

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

No

No documents uploaded by the school for energy chapter.



Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	TRIPTI SHARMA	tripti_roz@yahoo.co.in
2.	SUNITA LAKHERA	sunitalakhera20@gmail.com
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9.	ARMAAN	sanjeevdogra74@gmail.com	8
10.	KHUSHI	jhasajan79@gmail.com	8

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

No

Does your school serve midday meals?

No

2(a) Do students bring their own lunch from home?

Yes

Supporting Documents

- 1. IMG_20161116_111006.jpg
- 2. IMG_20161116_110956.jpg
- 3. IMG_20161116_110945.jpg
- 4. IMG_20161116_110931.jpg

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

1455.00

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

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.



No

Does your school serve traditional Indian beverages?

No

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?

1. PARLE -G BISCUIT 2. FROOTI 3. FRUITS

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

No

Supporting Documents

1. IMG_20161116_110956.jpg



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	TRIPTI SHARMA	tripti_roz@yahoo.co.in
2.	SUNITA LAKHERA	sunitalakhera20@gmail.com
3.	KIRAN PANDEY	kvspgdwarkadelhi@gmail.com

Administrative staff

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Students

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

Complete the table:

	Your school's area
Site area in square meter (m2)	13,400
Ground coverage area	1,163
Green landscaped area on-ground	9,030

Surface parking area	200
Play area that is paved/ concrete on ground	1,200
Play area that has grass on ground	6,800
Service Area on ground	0
Roof and terrace area	1,163
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,163
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	30	0	30
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. 20160630_085542.jpg
- 2. 20160630_085635.jpg
- 3. 20160630_085953.jpg
- 4. 20160705_113126.jpg
- 5. 20160705_113153.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	TRIPTI SHARMA	tripti_roz@yahoo.co.in
2.	SUNITA LAKHERA	sunitalakhera20@gmail.com
3.	KIRAN PANDEY	kvspgdwarkadelhi@gmail.com

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Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	600
Toilet flushing	1500
Personal cleaning	600

Washing clothes	0
Cooking	0
Cleaning Utensils	5
Washing Vegetables	0
Mopping floors	500
Gardening	1100
Total	4305

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

Where does the water your school uses, come from?

Ground water

Who supplies the water in your school?

Municipality

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?

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?	No
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?	No
Any other step taken for water conservation? (if Yes, please specify)	Yes

No documents uploaded by the school.

Task 5: Does your school harvest rainwater?

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

No

6(a) Calculate your school's rainwater harvesting potential (in litres).

2571

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?	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

How many drinking water taps do you have?

12

How many hand pumps do you have?

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

24

0

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

	Girls	Boys	Common	Total
Number of toilets	7	6	0	13

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

18

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

2

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

No

ls the water supply sufficient?

Yes

Are the toilets cleaned?

Yes

16(a) If yes, please specify

Twice a day

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

Does your school treat wastewater?

No

Does your school reuse the treated wastewater?

Yes

18(a)

How does your school reuse wastewater?

Gardening

No documents uploaded by the school.



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	TRIPTI SHARMA	tripti_roz@yahoo.co.in
2.	SUNITA LAKHERA	sunitalakhera20@gmail.com
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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. Other: AGENCY- IGS

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	36	0	36	0	0
Playgrounds	10	0	10	0	0
Common area (e.g. reception, corridors)	8	0	8	0	0
Staffroom	2	0	02	0	0
Laboratory	2	0	2	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	4	0	4	0	0
Others	1	1	0	0	0
Total	65	1	64	0	0

Supporting Documents

- 1. 20161116_082716.jpg
- 2. 20161116_083156.jpg
- 3. 20161116_083221.jpg
- 4. 20161116_083414.jpg
- 5. 20161117_120500.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	15
Kitchen waste	0
Paper	20

Plastic	4
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0.5
Sanitary waste	5
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	44.5

Supporting Documents

- 1. 20161117_120933.jpg
- 2. 20161117_120544.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	15
Kitchen waste	0
Paper	0
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)	15

Does your school have a composting facility?

Yes

Supporting Documents

- 1. 20161117_115749.jpg
- 2. 20161117_115831.jpg
- 3. 20161117_115808.jpg
- 4. 20161117_115758.jpg

What is the methodology used?

Natural composting without added microbes

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

2.00

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

For 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?

Don't know

Supporting Documents

- 1. 20161117_120501.jpg
- 2. 20161117_120548.jpg
- Does your school burn waste?

No

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	1	0	1
Refrigerators and freezers	2	2	0
Washing machines	0	0	0
Air conditioners	13	12	1
Heaters	2	1	01

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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)	78	76	2
Laptop computer (CPU, mouse, screen and keyboard included)	2	2	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	8	5	3
Copying equipment (Photocopiers)	1	1	0
Projectors	25	25	0
Whiteboards	2	02	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	2	2	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	2	2	0
Pay telephones	2	2	0
Mobiles	0	0	0
Answering systems	13	13	0

No documents uploaded by the school.

11

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

No

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

No documents uploaded by the school.

What form do these awareness drives take?

As part of the curriculum , By the showcasing of posters and stickers $% \left(1\right) =\left(1\right) \left(1$

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. 20161117_120500.jpg



FEEDBACK

No

Have teachers from your school participated in teacher interactive workshops organized by the GSP team?

No

Did you find the online information relevant to your environmental education activities?

Yes

Was the audit easy-to-understand and self-explanatory?

Yes

Did you understand the present format of the GSP?

Yes

Do you think your school will be a Green School (resource efficient) by 2019?

Yes

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

RAIN WATER HARVESTING SYSTEM, ALTERNATE SOURCE OF ENERGY

How would you rate the overall design of the audit?

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

Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?

No

Yes

11 How many times did you contact the Green Schools Programme Team for guidance and counseling?
Twice

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

14 How many students were involved in the activities?

Checklist of uploaded documents

195.00

- 1. Picture of 5 star appliances used by school
- 2. Picture of Renewable sources of Energy
- 3. Photographs of lunch boxes
- 4. Pictures of Green Cover
- 5. Pictures of landscaped area
- 6. Building construction plan
- 7. Pictures of bio-pesticides
- 8. Pictures of dustbins in classroom showing segregation at source
- 9. Pictures of playground with more than two dustbins
- 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 housekeeping staff disposing different types of solid waste
- 13. Pictures of respective audit teams doing survey