



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** DAV CENTENARY PUBLIC SCHOOL  
**Address:** DANGRA ROAD, TOHANA, TOHANA,  
FATEHABAD, Haryana, India  
**Coordinator Name:** Mr. PARVEEN KUMAR



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**

DAV CENTENARY PUBLIC SCHOOL

2

**Address**

DANGRA ROAD, TOHANA, TOHANA, FATEHABAD, Haryana, India

3

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

(ISD) 91 (STD) 1692 (NUMBER) 220783

4

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

(ISD) 91 (Number) 9996385500

5

**Principal Name**

DR. MALA UPADHYAYA

6

**GSP Coordinator Name**

Mr. PARVEEN KUMAR

7

**GSP Coordinator Email**

parveen.sharmadavthn@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9812738921

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	1062	706	1768
Teachers	17	45	62
Non-Teaching Staff	25	5	30
TOTAL	1104	756	1860

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, Nov

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Parveen kumar	Parveen kumar

#### Administrative staff

Sno.	Name	Email
1.	Sunil Dahiya	davtohana@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Jashan		10
2.	Pracheta		10
3.	yashika		10
4.	ritika		09
5.	Anjan		09
6.	Sneha		09
7.	Anjali		11
8.	Harshit		12
9.	Akshit		12
10.	Prakhar		12

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

1 How many classrooms does your school have?

65

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)
Class III	53.00	27.00	50.94
Class IV	53.00	27.00	50.94

Class V	53.00	27.00	50.94
Class VI	53.00	27.00	50.94
Class VII	53.00	27.00	50.94
Class VIII	53.00	27.00	50.94
Class IX	53.00	27.00	50.94
Class X	53.00	27.00	50.94
Class XI	58.00	29.00	50.00
Class XII	53.00	27.00	50.94
<b>TOTAL</b>	<b>535.00</b>	<b>272.00</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	8	1	1	0	10
No. of vehicles more than five years old	1	0	1	0	2
Air conditioned	0	1	0	0	1
No. of vehicles with PUC done	0	0	0	0	0
Parking area (m2)	150	8	8	0	166

#### Supporting Documents

1. 1.jpg
2. 2.jpg
3. 3.jpg
4. 4.jpg

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	8	0	0	0	0	0
Car	0	1	0	0	0	0
Van	0	1	0	0	0	0
Other vehicles	0	0	0	0	0	0
<b>SUB-TOTAL</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### Supporting Documents

1. owned vichle22.JPG
2. FUEL BILL VOUCHER.doc

## 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	1000	0	0	1000
Public Bus	0	5	7	12
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	300	30	0	330
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	4	0	4
Personal two-wheeler	50	25	15	90
Bicycle	400	0	10	410
On foot	7	2	5	14
Others (non-motorised)	0	0	0	0

SUB-TOTAL	1757	66	37	1860
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### Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

1

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.	Jina Utreja	jutreja@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Ram sewak	davtohana@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Kritika		10
2.	Karan		12
3.	Karan		12
4.	Jagriti		10
5.	Shruti		10
6.	Pooja		10
7.	Shipra		10
8.	Kashish		12
9.	Rohit		12
10.	Sanjay		12

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

1

Does your school have access to an electricity bill?

Yes

#### Supporting Documents

1. bill.docx

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)	6380	22968.00	1
Electricity from generator (diesel) (litres)	190	8664.00	1
Petrol (litres)	300	14010.00	4
Diesel (litres)	6000	273600.00	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	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	12870.00	319242.00	

### Supporting Documents

1. FUEL BILL VOUCHER.doc

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	12	1.5 tonn	3
Refrigerator	1	140 Watt	3

Microwave	3	1000 Watt	3
Tube Lights	50	40 Watt	3
CFL Bulbs	50	15 Watt	3
LED Lights	150	12 Watt	3
Fans	300	70 Watt	3

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?

330

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.	Nitin kumar	neev.kamra@gmail.com
2.	Sheetal	Sheetaljain_777@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Rajiv	davtohana@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Jhanvi		12
2.	Sourabh		11
3.	Yuvraj		11
4.	Geetika		11
5.	Tushar		10
6.	Vishesh		10
7.	Naman		10
8.	Moksha		9
9.	Umang		9
10.	Porush		9

### 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?

Yes

### Supporting Documents

1. DSC01582.JPG
2. DSC01583.JPG

2(a)(1) How many students out of total student population bring home-made lunch?

1300.00

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)	17	50000	10
Ice-cream	0	0	0
Carbonated beverages	3	25000	10
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	1	12000	4

Packaged/Bottled Energy Drinks	0	0	0
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### Supporting Documents

1. DSC02228.JPG

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?

Yes

6(a)

Please provide details

Frooties as a consolation prize

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. conteen.JPG  
2. conteen1.JPG



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Sonam	sonambatra62@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	ramveer	davtohana@gmail.com
2.	Shyam Sunder	davtohana@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Jashan		10
2.	Pracheta		10
3.	Yashika		10
4.	Karan		12
5.	Karan		12
6.	Kashish		12
7.	Perna		12
8.	Gorika		12
9.	Sapna		12
10.	Akash		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 (m2)	22,500
Ground coverage area	5,000
Green landscaped area on-ground	9,000
Surface parking area	166

Play area that is paved/ concrete on ground	50
Play area that has grass on ground	1,020
Service Area on ground	50
Roof and terrace area	5,000
Green cover on exposed roof & terrace	0
Total built up/constructed area	5,000
Total no. of floors	1
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	12	190	202
Animals	3	30	33

### 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. land05.jpg
2. green cover.JPG
3. const plan23.JPG
4. const plan2.JPG
5. landscape area.JPG



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Nitin	Neev.Kamra@gmail.com
2.	Parveen kumar	parveen.sharmadavthn@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Rajeev	davtohana@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Perna		12
2.	gorika		12
3.	sapna		12
4.	jhanvi		10
5.	mukesh		12
6.	riya		12
7.	kiran		12
8.	sandeep		12
9.	amandeep		9
10.	peeyush		12

### 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	250
Toilet flushing	100
Personal cleaning	50
Washing clothes	5



Cooking	3
Cleaning Utensils	4
Washing Vegetables	1
Mopping floors	0.5
Gardening	3
Total	416.5

### 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, Rain water

3 Who supplies the water in your school?

Municipality

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?	Yes
Are dual flush systems installed in the toilets?	Yes
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. water018.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?.

No

6(b)

How does your school harvest rainwater?

By recharging groundwater

6(b)(1)

Does your school have groundwater recharge structure?

Yes

6(b)(1)(i)

Please share the total number of groundwater recharge structures

1.00

6(b)(1)(ii)

Please tick the type of groundwater recharge structure used in your school:

Percolation pit/tank

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

Storage tank

6(e) Rate your catchment on cleanliness:

Good

### Supporting Documents

1. water018.jpg
2. water019.jpg

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?

Do not follow any such pattern

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?

58

9 How many hand pumps do you have?

0

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

8

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

	Girls	Boys	Common	Total
Number of toilets	22	25	4	51

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

6

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

5

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

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 groundwater recharge

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	Sheetal	Sheetaljain_777@rediffmail.com

#### Administrative staff

Sno.	Name	Email
1.	Ramveer	davtohana@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	VISHESH		9
2.	PEEYUSH		9
3.	SHUBHAM		9
4.	AKASH		8
5.	VANSHIKA		7
6.	KANAV		4
7.	ROHAN		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	65	0	65	0	0

Playgrounds	10	0	10	0	0
Common area (e.g. reception, corridors)	15	0	15	0	0
Staffroom	1	0	1	0	0
Laboratory	3	0	3	0	0
Canteen	2	0	2	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	8	0	8	0	0
Others	4	0	4	0	0
Total	110	0	110	0	0

### Supporting Documents

1. waste014.jpg
2. waste015.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	50
Kitchen waste	20
Paper	100
Plastic	100
Wood, glass, metal, classroom furniture	100
E-waste	20
Biomedical waste	10
Sanitary waste	20
Construction and Demolition (C & D) waste	50

Hazardous waste	5
Total Generated Solid Waste (in kilogram)	475

### Supporting Documents

1. waste03.jpg
2. waste04.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	100
Kitchen waste	50
Paper	100
Plastic	10
Wood, glass, metal, classroom furniture	10
E-waste	0
Biomedical waste	7
Sanitary waste	20
Construction and Demolition (C & D) waste	100
Hazardous waste	0
Total (in kilogram)	397

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)?

10.00

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. waste recycle.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. waste recycle.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	2	2	
VCR or DVD players	2	2	
Refrigerators and freezers	3	3	
Washing machines	1	1	
Air conditioners	8	8	
Heaters	2	2	
Microwaves	1	1	
Ovens	3	3	
Toasters	1	1	
Electric Kettles	1	1	
Personal computers (CPU, mouse, screen and keyboard included)	35	35	
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	
Notebook computers	0	0	
Notepad computers	0	0	
Printers	4	4	
Copying equipment (Photocopiers)	1	1	
Projectors	2	2	

Whiteboards	35	35	
Electrical & electronic typewriters	0	0	
Pocket & desk calculators	4	4	
Fax machines	0	0	
Telex	0	0	
Telephones	5	5	
Pay telephones	0	0	
Mobiles	0	0	
Answering systems	0	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

12

Does the school have a policy on waste?

Yes

Policy document

13

Are there awareness drives with regard to Reduce, Recycle and Reuse?

Yes

### Supporting Documents

1. DSC00882.JPG
2. DSC\_0110.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. waste03.jpg
2. waste04.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?

2011

1(b)

If yes, how many times have you done the audit?

3

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?

N.A

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	<p>Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?</p> <p>Yes</p>
9(a)	<p>If yes, please share your suggestions.</p> <p>Solar panel should be installed compulsarily in all the educational institutions to save electricity and to promote renewable sources of energy(solar energy)</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>50.00</p>

### 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. Photographs of lunch boxes
6. Picture of Canteen selling UPPF
7. Pictures of Green Cover
8. Pictures of landscaped area
9. Building construction plan
10. Pictures of dustbins in classroom showing segregation at source
11. Pictures of playground with more than two dustbins
12. Picture of audit team weighing solid waste
13. Picture of types of solid waste generated
14. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
15. Pictures of housekeeping staff disposing different types of solid waste

16. Pictures of burning waste
17. Waste Policy
18. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
19. Pictures of respective audit teams doing survey