



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** K.V. NO. 4  
**Address:** NEAR KALWANT HALL, JALANDHAR  
CANTT, JALANDHAR CANTT, Jalandhar,  
Punjab, India  
**Coordinator Name:** NIRMALA



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

K.V. NO. 4

2

Address

NEAR KALWANT HALL, JALANDHAR CANTT, JALANDHAR CANTT, Jalandhar, Punjab, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 181 (NUMBER) 2265750

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9888915439

5

Principal Name

T.P KAUR

6

GSP Coordinator Name

NIRMALA

7

GSP Coordinator Email

neelu.kvs@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9464621849

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	732	603	1335
Teachers	17	28	45
Non-Teaching Staff	9	0	9
TOTAL	758	631	1389

4(b)

How many visitors visit your school

7

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?

Jan

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	NIRMALA	NIRMALA
2.	RITU BERI	kvno4.beri@gmail.com
3.	MONIKA	monika.gharu@yahoo.in

#### Administrative staff

Sno.	Name	Email
1.	MRS T.P KAUR	kv4jal@gmail.com
2.	MR.K.K GHEERA	kv4jal@gmail.com
3.	MR. GYAN CHAND	kv4jal@gmail.com
4.	MR. CHARANJIT	kv4jal@gmail.com
5.	MR.BHARAT	kv4jal@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	MANISHA KUMARI	himsaxena09@gmail.com	11
2.	ETIKA SAXENA	etika1607@gmail.com	11
3.	JHARNA PATEL	ashokritapatel@gmail.com	11
4.	SWATI	swatipal2001@gmail.com	10
5.	RAJNISH KUMAR	rajnish08oct@gmail.com	10
6.	KINDRA KUMARI	KINDRAKUMARI2015@GMAIL.COM	10
7.	RAMANJEET KAUR	ramanjeetkaurbahla@gmail.com	09
8.	HEMPRABHA	badhansatpal@gmail.com	09
9.	JASNAHAL	jasnahalveersingh@yahoo.com	08
10.	PUNEET KUMAR	anishkumar.ak551@gmail.com	08

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

1

How many classrooms does your school have?

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)
12(A+B)	70.84	17.34	24.48
11(A+B)	70.84	17.34	24.48
10(A+B+C)	106.26	26.01	24.48
9(A+B+C)	106.26	26.01	24.48
8(A+B+C)	106.26	26.01	24.48
7(A+B+C)	106.26	26.01	24.48
6(A+B+C)	106.26	26.01	24.48
5(A+B+C)	106.26	26.01	24.48
4(A+B+C)	106.26	26.01	24.48
3(A+B+C)	106.26	26.01	24.48
TOTAL	991.76	242.76	

### 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 does not use or own 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
Schoool Bus	685	00	00	685
Public Bus	0	5	0	5
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	8	0	8
Personal four-wheeler	0	13	0	13
Personal two-wheeler	0	19	0	19
Bicycle	650	0	9	659
On foot	0	0	0	0
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>1335</b>	<b>45</b>	<b>9</b>	<b>1389</b>

### 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.	NIRMALA	NEELU.KVS@GMAIL.COM
2.	MONIKA	MONIKA.GHARU@YAHOO.IN
3.	VIJAY	vijaykumar147@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	T.P KAUR	kv4jal@gmail.com
2.	K.K GHERRA	kv4jal@gmail.com
3.	GYAN CHAND	kv4jal@gmail.com
4.	CHARANJIT	kv4jal@gmail.com
5.	BHARAT	kv4jal@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	KESHAV VASUDEVA	KESHAVKV4@GMAIL.COM	11
2.	SATNAM SINGH	sahilku50@gmail.com	11
3.	GURPREET SINGH DHAMI	cherrydhami@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. bill.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)	3000	10800.00	5
Electricity from generator (diesel) (litres)	0	0.00	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)	00	0.00	0
LPG (kilogrammes)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	3000.00	10800.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
--	--------	------	-----------------



Air Conditioners	7	1.5	2
Refrigerator	1	180	0
Microwave	0	0	0
Tube Lights	200	40	0
CFL Bulbs	5	20	0
LED Lights	15	18	0
Fans	170	60	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?

365

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.	RAMA GUPTA	rama_jrc@yahoo.com
2.	REKHA	kv4jal@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	GIAN CHAND	kv4jal@gmail.com
2.	CHARANJIT	kv4jal@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	SHUBHAM SINGH	shubhamsingh94@gmail.com	11
2.	GURLEEN KAUR	manjeetsaini1602@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

No

2 Does your school serve midday meals?

No

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

Yes

#### Supporting Documents

1. lunch box.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?

30.00

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	5	550	7
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)	5	900	7
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	3	250	7
Packaged/Bottled Energy Drinks	5	300	6

#### Supporting Documents

1. canteen.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

biskit only

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. canteen.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	NIRMALA	neelu.kvs@gmail.com
2.	SUKHDEV	kv4jal@gmail.com
3.	BALRAJ	kv4jal@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	GIAN CHAND	kv4jal@gmail.com
2.	CHARANJIT	kv4jal@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Azmat ali	akashkumar5@gmail.com	10
2.	BADAL TIWARI	badaltwari21@gmail.com	10
3.	KINDRA KUMARI	kindrakumari2015@gmail.com	10

### 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)	377,000
Ground coverage area	277,000
Green landscaped area on-ground	3,000
Surface parking area	200
Play area that is paved/ concrete on ground	100
Play area that has grass on ground	244,000
Service Area on ground	244,000

Roof and terrace area	10,000
Green cover on exposed roof & terrace	0
Total built up/constructed area	10,000
Total no. of floors	45
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	45	3	48
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. building.jpg
2. building1.jpg
3. green area.jpg
4. green.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	ANITA MADAN	kv4jal@gmail.com
2.	RITU BERI	kv4jal@gmail.com
3.	SUKHDEV	kv4jal@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	POONAM	kv4jal@gmail.com
2.	RAJINDER KUMAR	kv4jal@gmail.com
3.	MONIKA SAHARAN	kv4jal@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	ADITIYA RATTAN	hr0379@gmail.com	10
2.	MANJUSHA	mukeshsoni62@gmail.com	10
3.	AYUSH	ayushtripathi7892@gmail.com	10

### 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	1400
Toilet flushing	2400
Personal cleaning	2400
Washing clothes	0
Cooking	0
Cleaning Utensils	50
Washing Vegetables	0

Mopping floors	0
Gardening	100
Total	6350

### 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, Rain 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

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?	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?	No



Any other step taken for water conservation? (if Yes, please specify)

No

## Supporting Documents

1. water.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 storing

6(b)(1)

If your school only stores rainwater, please select the use of stored rainwater.

Gardening

6(b)(2)

Does your school have rainwater storage tank?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

1000.00

6(b)(2)(b)

Total number of storage tanks

1.00

6(b)(2)(c)

Location of tanks:

Over ground

6(b)(2)(d)

Material options for tanks

PVC

6(c)

How much area in your school is harvested?

10 to 20 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:

Average

No documents uploaded by the school.

6(f)

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

No

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?

No

**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?

20

9 How many hand pumps do you have?

0

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

6

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

	Girls	Boys	Common	Total
Number of toilets	2	2	0	4

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

2

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

1

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

Wastewater flows directly to the drains

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	RITU BERI	kvno4.beri@gmail.com
2.	MONIKA SAHARAN	monikasaharan100@gmail.com
3.	JYOTI	kv4jal@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	NIRMALA	neelu.kvs@gmail.com
2.	BALWINDER KAUR	kv4jal@gmail.com
3.	REKHA PRASHER	kv4jal@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	RITU	tanidhadhami498@gmail.com	10
2.	YASHWANT	yashwantther0123@gmail.com	10
3.	SURAJ	surajsuresh2001@gmail.com	10

### 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	34	0	34	0	0

Playgrounds	10	0	10	0	0
Common area (e.g. reception, corridors)	5	0	5	0	0
Staffroom	1	0	1	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	6	0	6	0	0
Others	4	0	4	0	0
Total	70	0	70	0	0

### Supporting Documents

1. dustbin.jpg
2. dustbin1.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	150
Kitchen waste	15
Paper	103
Plastic	2
Wood, glass, metal, classroom furniture	0
E-waste	15
Biomedical waste	15
Sanitary waste	18
Construction and Demolition (C & D) waste	0

Hazardous waste	0
Total Generated Solid Waste (in kilogram)	318

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?

No

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. waste.jpg
2. waste2.jpg
3. waste3.jpg
4. waste4.jpg

## Task 5: How does your school dispose waste?

8

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

Don't know

No documents uploaded by the school.

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	1	1	0
Washing machines	0	0	0
Air conditioners	6	6	0
Heaters	12	12	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	115	95	20



Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	12	7	5
Copying equipment (Photocopiers)	2	2	0
Projectors	6	6	0
Whiteboards	0	0	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	2	2	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	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?

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

**Supporting Documents**

1. poster1.jpg
2. poster2.jpg

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?

Yes

No documents uploaded by the school.



## 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?

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?

PERMANENT BUILDING

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?

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?

10.00

### Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Picture of Canteen selling UPPF
4. Pictures of Green Cover
5. Building construction plan
6. Pictures of dustbins in classroom showing segregation at source
7. Pictures of playground with more than two dustbins
8. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
9. Pictures of respective audit teams doing survey