



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** Govt Sr. Sec. School Bhuthan Kalan

**Address:** VPO Bhuthan Kalan, Fatehabad,  
Fatehabad, Haryana, India

**Coordinator Name:** Reena Kumari



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**

Govt Sr. Sec. School Bhuthan Kalan

2

**Address**

VPO Bhuthan Kalan, Fatehabad, Fatehabad, Haryana, India

3

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

(ISD) 91 (STD) 1667 (NUMBER) 264031

4

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

(ISD) 91 (Number) 9416542144

5

**Principal Name**

Rajender Parshad

6

**GSP Coordinator Name**

Reena Kumari

7

**GSP Coordinator Email**

kreena394@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 8059430176

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?

State Board of Education (please select name of your state from the list below if applicable)

State: Haryana

4

Total permanent population of the school

	Male	Female	Total
Students	157	162	319
Teachers	5	7	12
Non-Teaching Staff	3	2	5
TOTAL	165	171	336

4(b)

How many visitors visit your school

25

5

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

233

6

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

Sep, Oct

7

Where is the school located?

Rural Area



AIR

## Task 1: Air Audit Team

### Teachers

Sno.	Name	Email
1.	Reena Kumari	Reena Kumari
2.	Rajesh Kumar	rajesh.master11@gmail.com

### Administrative staff

Sno.	Name	Email
1.	Mahavir Parsad Saini	mpsaini1962@gmail.com
2.	Rajesh	rajesh82sangwan@gmail.com
3.	Savita	savitabishnoi1978@gmail.com

### Students

Sno.	Name	Email	Grade/Class
1.	Pradeep Kumar	gsssbhuthankalan3269@gmail.com	12
2.	Rajesh	gsssbhuthankalan3269@gmail.com	12
3.	Vikram	gsssbhuthankalan3269@gmail.com	12
4.	Pooja	gsssbhuthankalan3269@gmail.com	12
5.	Saroj	gsssbhuthankalan3269@gmail.com	12

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

1 How many classrooms does your school have?

12

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)
Classroom	390.00	364.00	93.33
Classroom	390.00	364.00	93.33
Classroom	390.00	364.00	93.33

Classroom	390.00	364.00	93.33
Classroom	390.00	364.00	93.33
Classroom	390.00	364.00	93.33
Classroom	390.00	364.00	93.33
Classroom	390.00	364.00	93.33
Classroom	390.00	364.00	93.33
Classroom	312.00	286.00	91.67
<b>TOTAL</b>	<b>3,822.00</b>	<b>3,562.00</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?

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
School Bus	0	0	0	0
Public Bus	20	0	2	22
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	0	4	1	5
Personal two-wheeler	0	8	1	9
Bicycle	15	0	0	15
On foot	284	0	1	285
Others (non-motorised)	0	0	0	0

SUB-TOTAL	319	12	5	336
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### 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.	SAVITA	savitabishnoi1978@gmail.com
2.	HANUMAN SINGH	gsssbhuthankalan3269@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	GOVERDHAN	gsssbhuthankalan3269@gmail.com
2.	SANGEETA	gsssbhuthankalan3269@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	RAKESH	gsssbhuthankalan3269@gmail.com	11
2.	MANJEET	gsssbhuthankalan3269@gmail.com	11
3.	ABHISHEK	gsssbhuthankalan3269@gmail.com	12
4.	KULDEEP	gsssbhuthankalan3269@gmail.com	12
5.	GAUTAM	gsssbhuthankalan3269@gmail.com	11
6.	ROHIT KUMAR	gsssbhuthankalan3269@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. index4.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)	651	2343.60	1,2
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)	0	0.00	0
LPG (kilogrammes)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	651.00	2343.60	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	0	0	0
Microwave	0	0	0
Tube Lights	0	0	0



CFL Bulbs	10	23	5
LED Lights	13	9	5
Fans	22	75	5

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?

300

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.	Mahavir Parsad Saini	gsssbhuthankalan3269@gmail.com
2.	Rajesh	rajesh82sangwan@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Rajesh Kumar	rajesh.master11@gmail.com
2.	Goverdhan	gsssbhuthankalan3269@gmail.com
3.	Sumitra	sumitradevi1891@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Tarwati	gsssbhuthankalan3269@gmail.com	11
2.	Kanika	gsssbhuthankalan3269@gmail.com	11
3.	Monika	gsssbhuthankalan3269@gmail.com	11
4.	SNESH	gsssbhuthankalan3269@gmail.com	10
5.	PRIYANKA	gsssbhuthankalan3269@gmail.com	10
6.	PARAMJEET	gsssbhuthankalan3269@gmail.com	12
7.	PRADEEP	gsssbhuthankalan3269@gmail.com	12
8.	RAJESH	gsssbhuthankalan3269@gmail.com	12

### 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?

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
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

No documents uploaded by the school.



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	ANJU	gsssbhuthankalan3269@gmail.com
2.	SAVITA	gsssbhuthankalan3269@gmail.com
3.	GOVERDHAN	gsssbhuthankalan3269@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	RAJESH KUMAR	rajesh.master11@gmail.com
2.	KAVITA	gsssbhuthankalan3269@gmail.com
3.	HANUMAN SINGH	gsssbhuthankalan3269@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	RAMAN FAGERIA	gsssbhuthankalan3269@gmail.com	9
2.	SURENDER KUMAR	gsssbhuthankalan3269@gmail.com	9
3.	PRIYANKA	gsssbhuthankalan3269@gmail.com	9
4.	RENU	gsssbhuthankalan3269@gmail.com	9
5.	SANTOSH	gsssbhuthankalan3269@gmail.com	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)	304,920
Ground coverage area	65,340
Green landscaped area on-ground	43,560
Surface parking area	0
Play area that is paved/ concrete on ground	87,120

Play area that has grass on ground	43,560
Service Area on ground	8,000
Roof and terrace area	65,340
Green cover on exposed roof & terrace	0
Total built up/constructed area	65,340
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	35	2	37
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. index.jpg
2. index1.jpg
3. index2.jpg
4. altAklwntMxzKhRq\_PDV\_M4IZPNQefubAt12n1Ek\_hePaCp %282%29.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	ANITA	GSSSBHUTHANKALAN3259@GMAIL.COM
2.	KAVITA	GSSSBHUTHANKALAN3259@GMAIL.COM
3.	RAJESH	GSSSBHUTHANKALAN3259@GMAIL.COM

#### Administrative staff

Sno.	Name	Email
1.	REENA KUMARI	GSSSBHUTHANKALAN3259@GMAIL.COM
2.	SANGEETA	GSSSBHUTHANKALAN3259@GMAIL.COM
3.	GOVERDHAN	GSSSBHUTHANKALAN3259@GMAIL.COM

#### Students

Sno.	Name	Email	Grade/Class
1.	NISHA	GSSSBHUTHANKALAN3259@GMAIL.COM	9
2.	BABLI	GSSSBHUTHANKALAN3259@GMAIL.COM	9
3.	ANNU	GSSSBHUTHANKALAN3259@GMAIL.COM	8
4.	RENU	GSSSBHUTHANKALAN3259@GMAIL.COM	8
5.	YASHVIR	GSSSBHUTHANKALAN3259@GMAIL.COM	10
6.	MANOJ	GSSSBHUTHANKALAN3259@GMAIL.COM	10
7.	FAKIR CHAND	GSSSBHUTHANKALAN3259@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	400
Toilet flushing	200
Personal cleaning	100
Washing clothes	0

Cooking	250
Cleaning Utensils	150
Washing Vegetables	90
Mopping floors	50
Gardening	150
Total	1390

### 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?

Public Health Engineering Department (PHED)

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?	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?	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?

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?

Paved

6(b)

How does your school harvest rainwater?

By recharging groundwater

6(b)(1)

Does your school have groundwater recharge structure?

No

6(c)

How much area in your school is harvested?

31 to 40 per cent

6(d)

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

Gutters

6(e)

Rate your catchment on cleanliness:

Average

## Supporting Documents

1. index5.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?

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?

8

9 How many hand pumps do you have?

1

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

4

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

	Girls	Boys	Common	Total
Number of toilets	5	5	0	10

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?

2

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

## 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.	REENA KUMARI	KREENA394@GMAIL.COM
2.	ANITA	GSSSBHUTHANKALAN3269@GMAIL.COM
3.	SAVITA	GSSSBHUTHANKALAN3269@GMAIL.COM

#### Administrative staff

Sno.	Name	Email
1.	RAJESH KUMAR	MASTER.RAJESH11@GMAIL.COM
2.	GOVERDHAN	GSSSBHUTHANKALAN3269@GMAIL.COM
3.	SUMITRA	GSSSBHUTHANKALAN3269@GMAIL.COM

#### Students

Sno.	Name	Email	Grade/Class
1.	PRADEEP	GSSSBHUTHANKALAN3269@GMAIL.COM	12
2.	RAJESH	GSSSBHUTHANKALAN3269@GMAIL.COM	12
3.	ANJU	GSSSBHUTHANKALAN3269@GMAIL.COM	12
4.	NISHA	GSSSBHUTHANKALAN3269@GMAIL.COM	12
5.	PARVATI	GSSSBHUTHANKALAN3269@GMAIL.COM	12
6.	POOJA	GSSSBHUTHANKALAN3269@GMAIL.COM	12
7.	ANJU	GSSSBHUTHANKALAN3269@GMAIL.COM	12
8.	PINKI	GSSSBHUTHANKALAN3269@GMAIL.COM	12
9.	PREETI	GSSSBHUTHANKALAN3269@GMAIL.COM	12
10.	PARAMJEET	GSSSBHUTHANKALAN3269@GMAIL.COM	12

### Task 2: What is the waste segregation system in your school?

1 Does your school segregate solid waste?

No

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	7	0	7	0	0
Playgrounds	1	0	1	0	0
Common area (e.g. reception, corridors)	2	0	2	0	0
Staffroom	2	0	2	0	0
Laboratory	2	0	0	2	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	0	0	0	0	0
Others	0	0	0	0	0
Total	15	0	13	2	0

No documents uploaded by the school.

### 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	30
Kitchen waste	30
Paper	10
Plastic	2
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	0
Sanitary waste	0

Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	77

No documents uploaded by the school.

#### 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	30
Kitchen waste	30
Paper	5
Plastic	1
Wood, glass, metal, classroom furniture	3
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	69

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)?

30.00

5c

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

For horticultural purposesFor school garden

6

Does your school encourage students &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)	✗	✓	✗	✗

No documents uploaded by the school.

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



8

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

Open dumping

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	0	0	0
Washing machines	0	0	0
Air conditioners	0	0	0
Heaters	0	0	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	15	10	5
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	2	2	0
Copying equipment (Photocopiers)	0	0	0
Projectors	1	1	0
Whiteboards	0	0	0

Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	1	1	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	1	1	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?

Taken back by manufacturer

## 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

No documents uploaded by the school.

13a

What form do these awareness drives take?

As part of the curriculum , By the showcasing of posters and stickers

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?

the new ideas to reuse the waste, knowledge about the gardening

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?

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

13(a)

How many students were involved in the activities?

50.00

### Checklist of uploaded documents

1. Electricity Bill
2. Pictures of Green Cover
3. Pictures of landscaped area