



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA NO.1
Address: CHANDIMANDIR CANTT, PANCHKULA,
PANCHKULA, PANCHKULA, Haryana,
India
Coordinator Name: NILIKA



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

KENDRIYA VIDYALAYA NO.1

2

Address

CHANDIMANDIR CANTT, PANCHKULA, PANCHKULA, PANCHKULA, Haryana, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 172 (NUMBER) 2589274

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9417769797

5

Principal Name

TEJINDER SINGH (Officiating)

6

GSP Coordinator Name

NILIKA

7

GSP Coordinator Email

nilika.ghangla@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9876997804

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	481	427	908
Teachers	13	22	35
Non-Teaching Staff	6	2	8
TOTAL	500	451	951

4(b) How many visitors visit your school

3

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

223

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

Nov

7 Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	NILIKA	NILIKA
2.	MEENA GOYAL	meenagarggoyal2006@gmail.com

Administrative staff

Sno.	Name	Email
1.	SATINDRA VISHWAKARMA	svishwakarma86@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	PRASHANT PATIL	prashantpatil1288@gmail.com	10
2.	RAJANEESH	rajaneesh130@gmail.com	10
3.	JASMINA	khanjasmina@gmail.com	10
4.	MIMI NINGSHEN	ningshenm9@gmail.com	10

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

1 How many classrooms does your school have?

24

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 viii b	48.82	13.99	28.65
class ix a	48.82	13.99	28.65
class ix b	48.82	13.99	28.65
class vi a	48.82	13.99	28.65
class vi b	48.82	13.99	28.65

class xi a	48.82	13.99	28.65
class x a	48.82	13.99	28.65
class x b	48.82	13.99	28.65
class xi b	48.82	13.99	28.65
class xii b	48.82	13.99	28.65
TOTAL	488.24	139.90	

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	0	0	0	0
Public Bus	152	0	0	152
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	40	0	0	40
Taxi three-wheeler	74	0	0	74
Personal four-wheeler	11	12	0	23
Personal two-wheeler	36	4	2	42
Bicycle	33	0	0	33
On foot	562	19	6	587
Others (non-motorised)	0	0	0	0
SUB-TOTAL	908	35	8	951

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?

Yes



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	NILIKA	nilika.ghangla@gmail.com
2.	MEENA GOYAL	meenagarggoyal@gmail.com

Administrative staff

Sno.	Name	Email
1.	SATENDRA VISHWAKARMA	svishwakarma86@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	JASMINA	khanjasmina0@gmail.com	10
2.	MIMI NINGSHEN	ningshen9@gmail.com	10
3.	AKSHITA	linabhardwaj72@gmail.com	10

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. electricity bill re.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
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Electricity from the board (kwh)	2303.70	8293.32	1
Electricity from generator (diesel) (litres)	0	0.00	1
Petrol (litres)	5	233.50	2
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)	5	90.00	2
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	14.2	732.72	1
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	2327.90	9349.54	

Supporting Documents

1. fuel bill 1.jpg
2. fuel bill 2 ree.jpg
3. fuel bill 3 re.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	11	2	3.75
Refrigerator	3	260	4
Microwave	3	5	4
Tube Lights	166	28	2

CFL Bulbs	10	28	3
LED Lights	00	00	00
Fans	160	76	4

Supporting Documents

1. elect appl re.jpg

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

5

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

20

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.	NILIKA	nilika.ghangla@gmail.com
2.	MEENA GOYAL	meenagarggoyal2006@gmail.com
3.	RENU VERMA	renuverma04@gmail.com

Administrative staff

Sno.	Name	Email
1.	MR JOGIA	

Students

Sno.	Name	Email	Grade/Class
1.	NIKHIL	dardipin@gmail.com	10
2.	ETAFK ALAM	estafak270@gmail.com	10
3.	DEEPA	deepa10@gmail.com	10
4.	PRASHANT PATIL	prashantpatil288@gmail.com	10

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. STUDENTS WITH THEIR LUNCH BOXES .RE.jpg

2(a)(1)

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

908.00

2(a)(2)

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

890.00

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	2	250	9
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)	2	2600	9
Ice-cream	0	0	0
Carbonated beverages	1	200	9
Sugar sweetened noncarbonated beverages	1	750	9
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	1	600	9

Packaged/Bottled Energy Drinks	0	0	0
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Supporting Documents

1. UPPF SNACKS SOLD IN CANTEEN %28RE%29.jpg

4 Does your school serve traditional Indian snacks?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	50
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	2

4(b) Give descriptions for rare local snacks served in your school:?

BURGER,NOODLES.

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

GLUCOSE BISCUITS , TETRA PACK FRUIT JUICE, SANDWICH

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. food audit team doing survey 1.jpg
2. food audit team doing survey 2 re.jpg
3. food audit team doing survey 3 re.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	NILIKA	nilika.ghangla@gmail.com
2.	MEENA GOYAL	meenagarggoyal2006@gmail.com

Administrative staff

Sno.	Name	Email
1.	SATENDERA VISHWAKARMA	svishwakarma862gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	NIKHIL	dardipin@gmail.com	10
2.	ESTAFAK ALAM	astafak270@gmail.com	10
3.	JASMINA	khanjasmina0@gmail.com	10
4.	MIMI NINGSHEN	ningshenm9@gmail.com	10
5.	AKSHITA	linabhardwaj72@gmail.com	10
6.	BINNIE JOHN	jbinnie2002@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 (m ²)	48,562
Ground coverage area	2,258
Green landscaped area on-ground	2,864
Surface parking area	629
Play area that is paved/ concrete on ground	1,259
Play area that has grass on ground	21,286
Service Area on ground	13

Roof and terrace area	2,403
Green cover on exposed roof & terrace	0
Total built up/constructed area	11,691
Total no. of floors	3
Others	51

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	20	10	30
Animals	8	0	8

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. landscaped area 1 re.jpg
2. land scaped area 2 re.jpg
3. land scaped area 3 re.jpg
4. green covered area re 2.jpg
5. green covered are 4 re.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	NILIKA	nilika.ghangla@gmail.com
2.	MEENA GOYAL	meenagarggoyal2006
3.	RINKU	rinkumadan74@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr JOGIA	-

Students

Sno.	Name	Email	Grade/Class
1.	RITAGYA	sharmamanjuklk@gmail.com	9
2.	KAMAKHYA PRASAD	kamprasad@gmail.com	9
3.	MANSI PANDEY	anjalipandey33359@gmail.com	7
4.	SOURABH	kmsourabh03@gmail.com	9
5.	ASHISH ROUTELA	rautelaashish@gmail.com	7

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	600
Toilet flushing	1000
Personal cleaning	200
Washing clothes	0
Cooking	0
Cleaning Utensils	10
Washing Vegetables	0

Mopping floors	50
Gardening	1500
Total	3360

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

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?	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?	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?	No

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

No

Supporting Documents

1. float valve in water tanks re.jpg
2. spill proof taps re.jpg
3. toilets in school.jpg
4. toilets in school re.jpg
5. spill proof taps 2 re.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).

1000

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?

12

9 How many hand pumps do you have?

0

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

18

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

	Girls	Boys	Common	Total
Number of toilets	12	12	0	24

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

14

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

3

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

Wastewater flows directly to the drains

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	NILIKA	nilika.ghangla@gmail.com
2.	MEENA GOYAL	meenagarggoyal2006@gmail.com

Administrative staff

Sno.	Name	Email
1.	Satendra suryavanshi	svishwakarma86@gmail.com
2.	Anand singh	-

Students

Sno.	Name	Email	Grade/Class
1.	Jasmina Khan	khanjasmina0@gmail.com	10
2.	Mimi Ningshen	ningshenm9@gmail.com	10
3.	Akshita	linabhardwaj72@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	24	0	24	0	0
Playgrounds	3	0	3	0	0

Common area (e.g. reception, corridors)	1	0	1	0	0
Staffroom	1	0	1	0	0
Laboratory	6	0	0	6	0
Canteen	1	0	1	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	14	0	14	0	0
Others	4	0	4	0	0
Total	56	0	50	6	0

Supporting Documents

1. dust bin in class room.jpg
2. dust bin in lab.jpg
3. dust bin in play ground.jpg
4. dust bin near canteen.jpg
5. dust bin play ground 3.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	5
Kitchen waste	2
Paper	2
Plastic	1
Wood, glass, metal, classroom furniture	3
E-waste	1
Biomedical waste	0

Sanitary waste	1
Construction and Demolition (C & D) waste	1000
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1015

Supporting Documents

1. WEIGHING WASTE RE.jpg
2. TYPE OF WASTE GENERATED RE 1.jpg
3. TYPE OF WASTE GENERATED 2 RE.jpg

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)				

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?

Don't know

Supporting Documents

1. house keeping staff 1.jpg
2. DISPOSAL OF WASTE BY HOUSE KEEPING STAFF RE.jpg
3. DISPOSAL OF WASTE AT SITE RE.jpg
4. garbage sagregation by house keeping staff.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	1	1	0
VCR or DVD players	0	0	0
Refrigerators and freezers	3	3	0
Washing machines	0	0	0
Air conditioners	9	9	0
Heaters	2	2	0

Microwaves	0	0	0
Ovens	3	3	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	83	83	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	3	3	0
Printers	10	10	0
Copying equipment (Photocopiers)	3	3	0
Projectors	16	16	0
Whiteboards	5	5	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	10	10	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	6	6	0
Pay telephones	3	3	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?

No

13

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

Yes

Supporting Documents

1. POSTER MAKING COMPETITION RE.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. AUDIT TEAM DOING SURVEY.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?

11

1(b)

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

1

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?

RAIN 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	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? Never
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? 5.00

Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Picture of 5 star appliances used by school
4. Photographs of lunch boxes
5. Picture of Canteen selling UPPF
6. Traditional food items sold in canteen
7. Pictures of Green Cover
8. Pictures of landscaped area
9. Pictures of dustbins in classroom showing segregation at source
10. Pictures of playground with more than two dustbins
11. Picture of audit team weighing solid waste
12. Picture of types of solid waste generated
13. Pictures of housekeeping staff disposing different types of solid waste
14. Pictures of Electronic items used by school and storage of non-working electronic items
15. Certificate of disposing e-waste from authorised dealer/dismantler
16. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
17. Pictures of respective audit teams doing survey