



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA MATHURA
CANTT

Address: NEAR GOLF GROUND, ARMY AREA,
MATHURA, Mathura, Uttar Pradesh, India

Coordinator Name: SHAILENDRA 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

KENDRIYA VIDYALAYA MATHURA CANTT

2

Address

NEAR GOLF GROUND, ARMY AREA, MATHURA, Mathura, Uttar Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 565 (NUMBER) 2471685

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9869372976

5

Principal Name

ANIL MOHAN

6

GSP Coordinator Name

SHAILENDRA KUMAR

7

GSP Coordinator Email

shailanjal@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9557699098

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	1178	1018	2196
Teachers	32	37	69
Non-Teaching Staff	6	2	8
TOTAL	1216	1057	2273

4(b)

How many visitors visit your school

30

5

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

220

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.	Sh. S.K Sharma	Sh. S.K Sharma
2.	Ms. Tripti Singh	triptis2015@gmail.com
3.	Sh. B.S Meena	bhanvarsinghmeena@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Anil Mohan	anilmohan91@gmail.com
2.	Mr. L.M Bisht	lmbisht1975@gmail.com
3.	Mr. S.C Sharma	sharmasc1959@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ishwar Singh	ishwarmars@gmail.com	11
2.	Sachin Kumar Sharma	ssharmasona.989@gmail.com	11
3.	Surjeet Kumar	Surjeetsingh6488@gmail.com	11
4.	Pranav Tomar	Pranavtomar1223@gmail.com	11

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

1

How many classrooms does your school have?

48

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)
I	49.00	9.00	18.37
II	49.00	9.00	18.37
III	49.00	9.00	18.37

IV	49.00	9.00	18.37
V	49.00	9.00	18.37
VI	49.00	9.00	18.37
VII	49.00	9.00	18.37
VIII	49.00	9.00	18.37
IX	49.00	9.00	18.37
X	49.00	9.00	18.37
TOTAL	490.00	90.00	

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	1500	0	0	1500
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	90	20	0	110
Personal four-wheeler	6	10	0	16
Personal two-wheeler	0	17	4	21
Bicycle	100	0	2	102
On foot	500	22	2	524
Others (non-motorised)	0	0	0	0

SUB-TOTAL	2196	69	8	2273
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Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

10

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.	Mrs. Hima Saraswat	himasaraswat@gmail.com
2.	Mr. U.K Joshi	ukj_kvs@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sh. Anil Mohan	anilmohan91@gmail.com
2.	Sh. L.M Bisht	lmbisht1975@gmail.com
3.	Sh. S.C Shamra	sharmasc1959@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Yashpal Singh	ypal10032003@gmail.com	9
2.	Abhishek Kumar	abhishekbishvnpura@gmail.com	9
3.	Madhire	madhirebhavitha2002@gmail.com	9
4.	Anjali gaur	gaurarti34@gmail.com	9
5.	Namrata	01namratasingh@gmail.com	10
6.	Sakshi	chaturvedimtr@gmail.com	10
7.	Vishnu Kumar	VISHNUKUMAR9462@GMAIL.COM	10
8.	Jatin Kumar	jatinupadhyay2356@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_bill00011.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)	18500	66600.00	5
Electricity from generator (diesel) (litres)	1500	68400.00	5
Petrol (litres)	0	0.00	0
Diesel (litres)	200	9120.00	1
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)	40	720.00	3
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	14.5	748.20	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	20254.50	145588.20	

Supporting Documents

1. fuel_bill0002.jpg
2. fuel_bill0003.jpg
3. fuel_bill0004.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	11	1.5	3
Refrigerator	1	165	3
Microwave	1	2.5	3
Tube Lights	280	40	0
CFL Bulbs	50	20	0
LED Lights	50	7	0
Fans	280	150	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?

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.	Mr. B.S Meena	bhanvarsinghmeena@gmail.com
2.	ms. Tripti Singh	triptis01@gmail.com
3.	Mr. Kamal Singh	ksmaurya01@gmail.com

Administrative staff

Sno.	Name	Email
1.	Anil Mohan	anilmohan91@gmail.com
2.	Mr. L.M Bisht	lmbisht1975@gmail.com
3.	Mr. S.C Sharma	sharmasc1959@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	mayank	sudhiusasni1@gmail.co	9
2.	Roshani Kumari	mecrace27@gmail.com	9
3.	Uday Kumar saraswat	vc1115358@gmail.com	9
4.	Manasi Chatirvedi	01nmnchaturvedi@gmail.com	10
5.	Shivani Sharma	sanjiv.jh121@gmail.com	10
6.	Neeru Singh	Vijay751574@gmail.com	10
7.	Sagar Chauhan	rudrasagar444@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. lunch1.jpg

2(a)(1)

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

2196.00

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	5	1500	10
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	2000	10
Ice-cream	3	3000	10
Carbonated beverages	03	1000	10
Sugar sweetened noncarbonated beverages	2	500	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	1	100	10

Packaged/Bottled Energy Drinks	0	0	0
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No documents uploaded by the school.

4 Does your school serve traditional Indian snacks?

Yes

4(a) Please provide the details:

	Number of plates sold when on the menu
Samosas	500
Idli/vada and sambhar	0
Pav bhaji	0
Momos	0
Others	500

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

kachodi sabji

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?

Yes

7(a) Please provide the names?

biscuit packets

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.	Mr. M.K jataav	mkjataav_66@yahoo.com
2.	Mr. Pushpendra Singh	pusppendra1972@gmail.com
3.	Mr. M.R Kushwaha	mrkushwaha133@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Anil Mohan	anilmohan91@gmail.com
2.	Mr. L.M Bisht	lmbisht1975@gmail.com
3.	Mr. S.C Sharma	sharmasc1959@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Mayank	sudhirsahni1@gmail.com	9
2.	Roshani Kumari	mecrace27@gmail.com	9
3.	Uday Kumar saraswat	vc1115358@gmail.com	9
4.	Manasi Chaturvedi	01nmnchaturvedi@gmail.com	10
5.	Shivani Sharma	sanjiv.jh121@gmail.com	10
6.	Neeru Singh	Vijay751574@gmail.com	10
7.	Sagar Chauhan	rudrasagar444@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)	52,000
Ground coverage area	5,200
Green landscaped area on-ground	1,500
Surface parking area	0

Play area that is paved/ concrete on ground	1,200
Play area that has grass on ground	7,500
Service Area on ground	500
Roof and terrace area	32,000
Green cover on exposed roof & terrace	0
Total built up/constructed area	32,000
Total no. of floors	2
Others	4,304

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	25	45
Animals	10	10	20

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. landscape_1.jpg
2. green_cover1.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Manju Lata	sinha_manju@rediffmail.com
2.	Ms. Ranjana saraswat	ranjanasaraswat1@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Anil Mohan	anilmohan91@gmail.com
2.	Mr. L.M Bisht	lmbisht1975@gmail.com
3.	Mr. S.C Sharma	sharmasc1959@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Pankaj Singh rawat	brijesh898@gmail.com	7
2.	Priyanka	chaudharypriyanka2002@gmail.com	10
3.	Loveneesh Lawaniya	lucky121.2001@gmail.com	10
4.	Russi	annukumari83@yahoo.com	10
5.	Shatakshi	upadhyayshatakshi20021@gmail.com	10
6.	Rishabh Tiwari	vishu0818@gmail.com	11
7.	Nitish Kumar Sharma	santsharmamtr@gmail.com	11
8.	Sagar singh	sagarsolanki2002@gmail.com	11
9.	Rishika Sharma	rishika.sharma1502@gmail.com	11

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	1500
Toilet flushing	700
Personal cleaning	500

Washing clothes	0
Cooking	200
Cleaning Utensils	300
Washing Vegetables	100
Mopping floors	100
Gardening	500
Total	3900

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?

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

19-24 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?	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)	Yes

Supporting Documents

1. IMG_20161118_140707.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?

Combination of both

6(b)(1) If your school only stores rainwater, please select the use of stored rainwater.

Gardening, Mopping, Toilets

6(b)(2) Does your school have rainwater storage tank?

No

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

Gutters

6(e) Rate your catchment on cleanliness:

Good

Supporting Documents

1. IMG_20161118_150942.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?

32

9 How many hand pumps do you have?

0

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

10

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

	Girls	Boys	Common	Total
Number of toilets	24	24	0	48

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

20

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

6

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?

Yes

18(a)

How does your school reuse wastewater?

Gardening

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Ms. Alka Goyal	kv123mathuracantt@gmail.com
2.	Mr. R.K Agnihotri	agnihotri.rk3@gmail.com
3.	Mr. R.N Prasad	gpram101@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Anil Mohan	anilmohan91@gmail.com
2.	Mr. L.M Bisht	lmbisht1975@gmail.com
3.	Mr. S.C Sharma	sharmasc1959@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ananya	ac02012002@gmail.com	9
2.	Nidhi	nidhibihari@gmail.com	9
3.	Anjali Pal	renupal_007@yahoo.co.in	9
4.	Love Gautam	lovegautam804@gmail.com	9
5.	Tushar Verma	tusharisbetter@gmail.com	10
6.	Vikas Kumar Sharma	vks184953@gmail.com	10
7.	Manish Kumar	mking9381@yahoo.com	10
8.	Mahima Singh	singh.raghu52@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. Gardener

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	48	0	48	0	0
Playgrounds	2	0	2	0	0
Common area (e.g. reception, corridors)	4	0	4	0	0
Staffroom	1	0	1	0	0
Laboratory	1	0	1	0	0
Canteen	2	0	2	0	0
Clinic/ Sick room	1	0	1	0	0
Library	2	0	2	0	0
Toilets	10	0	10	0	0
Others	6	0	6	0	0
Total	77	0	77	0	0

Supporting Documents

1. IMG_20161118_155623.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	100
Kitchen waste	40
Paper	20
Plastic	3
Wood, glass, metal, classroom furniture	10

E-waste	1
Biomedical waste	5
Sanitary waste	5
Construction and Demolition (C & D) waste	50
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	234

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)				

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?

Designated dumping site (Dhalao)

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	1	1	0
VCR or DVD players	1	1	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	11	11	0
Heaters	2	2	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)	148	108	40
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	12	10	2
Copying equipment (Photocopiers)	3	3	0
Projectors	22	12	10
Whiteboards	11	10	1
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	2	2	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?

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?

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?

Awareness tools for students

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?

50.00

Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Pictures of Green Cover
4. Pictures of landscaped area
5. Pictures of dustbins in classroom showing segregation at source