



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KV NHDC NARMADA NAGAR DISTT
KHANDWA MP 450119

Address: DO, NARMDA NAGAR, KHANDWA,
Madhya Pradesh, India

Coordinator Name: Ms GAYATHRI KRISHNA



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

KV NHDC NARMADA NAGAR DISTT KHANDWA MP 450119

2

Address

DO, NARMDA NAGAR, KHANDWA, Madhya Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 07323 (NUMBER) 284731

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8989802022

5

Principal Name

SUNIL CHAUHAN

6

GSP Coordinator Name

Ms GAYATHRI KRISHNA

7

GSP Coordinator Email

gaya3k89@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9179416415

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	228	242	470
Teachers	15	9	24
Non-Teaching Staff	6	2	8
TOTAL	249	253	502

4(b)

How many visitors visit your school

70

5

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

215

6

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

July, Aug, Sep, Oct

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Gayathri Krishna	Gayathri Krishna
2.	Dr D K SAIN	sdev.140979@gmail.com
3.	Keshav Harshe	keshav.harshe@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Ashish Soni	ashishsoni667@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	SPARSH KHANDELWAL	sparshkhandelwal28@gmail.com	8
2.	PIYUSH AJMERA		8
3.	VIKKI VERMA		8
4.	SIDDHARTH SINGH RATHORE		8
5.	SHAURYARAJ SINGH GOUD	shouryarajsinghgoud@gmail.com	8

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)
1	49.23	17.51	35.58
2	49.23	17.51	35.58
3	49.23	17.51	35.58

4	49.23	17.51	35.58
5	49.23	17.51	35.58
6	59.00	17.51	29.68
7	59.00	17.51	29.68
8	59.00	17.51	29.68
9	59.00	17.51	29.68
10	59.00	17.51	29.68
TOTAL	541.12	175.13	

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?

Operator-owned 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	336	4	0	340
Public Bus	4	0	0	4
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	22	4	2	28
Personal two-wheeler	33	12	2	47
Bicycle	41	0	0	41
On foot	34	4	4	42
Others (non-motorised)	0	0	0	0

SUB-TOTAL	470	24	8	502
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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.	Dr. D K Sain	sdev.140979@gmail.com
2.	N SHARAVANA	sharavanasowmya@yahoo.com

Administrative staff

Sno.	Name	Email
1.	ASHISH KUMAR SONI	ashishsoni667@gmail.com
2.	NANDLAL CHOUHAN	nlchouhan71@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	SARTHAK AGARWAL	sarthakagr11@gmail.com	8
2.	SAYAN SINGH		8
3.	ANMOL SAD		8
4.	VISHAL YADAV		8
5.	LAKSHYA SAWNER		8
6.	NISCHAY RATHORE		8

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

No

No documents uploaded by the school.

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)	3300	11880.00	0
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)	1.5	77.40	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	3301.50	11957.40	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	6	1.5 ton	3
Refrigerator	1	150 litres	3
Microwave	0	0	0
Tube Lights	102	40 watt	3
CFL Bulbs	34	15 watt	3
LED Lights	0	0	0

Fans	137	70 watt	3
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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.	Gayathri Krishna	gaya3k89@gmail.com
2.	Keshav Harshe	keshav.harshe@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Ashish Kumar Soni	ashishsoni667@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Muskan Soni	muskansoni289@gmail.com	9
2.	Mausmi Mandole		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

No

2

Does your school serve midday meals?

No

2(a)

Do students bring their own lunch from home?

Yes

Supporting Documents

1. lunch.jpg

2(a)(1)

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

470.00

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)	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.	Gayathri Krishna	gaya3k89@gmail.com
2.	N Sharavana	sharavanasowmya@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Ashish Soni	ashishsoni667@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Abhijeet		11
2.	Amit Desai		11
3.	Jai Thakur		11
4.	Krishnadeep Singh		11
5.	Animesh Jain		11
6.	Sneha		7
7.	Ashlesha		7

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)	13,200
Ground coverage area	1,630
Green landscaped area on-ground	2,910
Surface parking area	0
Play area that is paved/ concrete on ground	1,820

Play area that has grass on ground	2,000
Service Area on ground	0
Roof and terrace area	700
Green cover on exposed roof & terrace	0
Total built up/constructed area	5,640
Total no. of floors	2
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	165	2	167
Animals	60	0	60

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. IMG_20161118_090113.jpg
2. IMG_20161118_090019.jpg
3. IMG_20161118_092557.jpg
4. IMG_20161118_090140.jpg
5. DSC_0196.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Gayathri Krishna	gaya3k89@gmail.com
2.	Ashwani Singhal	ashwani.singhal2000@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ashish Soni	ashishsoni667@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Vikki Verma		8
2.	Kritika Yaduvanshi		11
3.	Abhijeet		11
4.	Anmol Sad		8
5.	Sarthak Agarwal		8

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	350
Toilet flushing	50
Personal cleaning	0
Washing clothes	0
Cooking	3
Cleaning Utensils	20
Washing Vegetables	0

Mopping floors	40
Gardening	80
Total	543

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?

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

=1 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)

No

No documents uploaded by the school.

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).

2640

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?

10

9

How many hand pumps do you have?

0

10

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

11

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

	Girls	Boys	Common	Total
Number of toilets	14	15	0	29

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

15

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

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 gardening and horticulture

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Gayathri Krishna	gaya3k89@gmail.com
2.	Dr D K Sain	sdev.140979@gmail.com

Administrative staff

Sno.	Name	Email
1.	Keshav Harshe	keshav.harshe@yahoo.com
2.	Ashish Soni	ashishsoni667@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Anmol Sad		8
2.	Sparsh Khandelwal		8
3.	Priyanshi Verma		7
4.	Deepika		7

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. Students and teachers
2. Housekeeping (Sweeper)
3. 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	12	0	12	0	0
Playgrounds	3	0	1	2	0
Common area (e.g. reception, corridors)	3	0	3	0	0
Staffroom	1	0	1	0	0
Laboratory	5	0	5	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	5	0	5	0	0
Others	7	0	7	0	0
Total	38	0	36	2	0

Supporting Documents

1. IMG_20161118_110301.jpg
2. IMG_20161118_085929.jpg
3. IMG_20161118_085812.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	0
Paper	100
Plastic	1
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0

Sanitary waste	5
Construction and Demolition (C & D) waste	10
Hazardous waste	1
Total Generated Solid Waste (in kilogram)	267

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?

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)?

50.00

5c What is the purpose of the compost that is generated per month?

For school garden

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
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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

No documents uploaded by the school.

9

Does your school burn waste?

Yes

Supporting Documents

1. TH-GREEN_WASTE_BUR_2172500e.jpg

9a

Where does your school burn waste?

Inside the school

9b

What kind of waste is being burnt/ incinerated?

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	6	6	0
Heaters	0	0	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	1	1	0
Personal computers (CPU, mouse, screen and keyboard included)	53	40	13
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	4	4	0
Copying equipment (Photocopiers)	2	2	0
Projectors	2	2	0
Whiteboards	5	5	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	4	4	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	2	2	0

Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

Supporting Documents

1. IMG_20161118_090431.jpg
2. IMG_20161118_090451.jpg

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?

No

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 , 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

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?

Use of solar energy, vermicomposting and segregation bins can be thought of.

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?

4.00

Checklist of uploaded documents

1. Photographs of lunch boxes
2. Pictures of Green Cover
3. Pictures of landscaped area
4. Building construction plan
5. Pictures of dustbins in classroom showing segregation at source
6. Pictures of playground with more than two dustbins
7. Pictures of burning waste
8. Pictures of Electronic items used by school and storage of non-working electronic items