



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Gyanodaya Vidya Mandir, Narsingarh
Address: MyCem Cement Colony Narsingarh ,
Damoh, Damoh, Madhya Pradesh, India
Coordinator Name: Dr Swapna Tiwari



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

Gyanodaya Vidya Mandir,Narsingarh

2

Address

MyCem Cement Colony Narsingarh , Damoh, Damoh, Madhya Pradesh, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 7601 (NUMBER) 241405

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9165510947

5

Principal Name

Dr Prashant Thote

6

GSP Coordinator Name

Dr Swapna Tiwari

7

GSP Coordinator Email

prashant.thote@rediffmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9425454668

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:12

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	716	354	1070
Teachers	19	21	40
Non-Teaching Staff	04	06	10
TOTAL	739	381	1120

4(b)

How many visitors visit your school

128

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?

Sep, Oct

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Dr. Sanjay Khare	Dr. Sanjay Khare
2.	Preeti Tiwari	preeti.tiwari91@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. R.K. Paliwal	ravindrapaliwal14@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Shivam Pratap Singh	shivam8962694387@gmail.com	XII
2.	Vikash Jain	vikas9685176175@gmail.com	XII
3.	Chansi Bhadauria	chansibhadouria@rediff.com	XI

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

1 How many classrooms does your school have?

30

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)
LKG -A	40.99	14.19	34.62
LKG-B	39.29	14.19	36.12
UKG-A	40.99	14.19	34.62
UKG-B	39.29	14.19	36.12
I-A	39.29	14.19	36.12
I-B	39.29	14.19	36.12

II-A	48.00	8.66	18.04
II-B	48.07	14.71	30.60
III-A	34.77	6.61	19.01
III-B	47.11	8.66	18.39
TOTAL	417.11	123.80	

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
Schoool Bus	100	3	0	103
Public Bus	200	0	0	200
School Transport(Other than bus)	00	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	108	0	0	108
Taxi three-wheeler	1	0	0	1
Personal four-wheeler	0	1	0	1
Personal two-wheeler	0	12	1	13
Bicycle	147	0	1	148
On foot	514	24	8	546
Others (non-motorised)	0	0	0	0
SUB-TOTAL	1070	40	10	1120

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?

Yes

Supporting Documents

1. DSC07475.jpg
2. DSC07479.jpg
3. DSC07480.jpg
4. DSC07484.jpg
5. DSC079661a.jpg



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	Dr. Swapna Tiwari	swapnatiwari1961@gmail.com
2.	Ms. Aakriti Mishra	akrati.mishra1926@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr. Prashant Thote	prashant.thote@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Tanushree Bhoomia	sanjaybhomia10@gmail.com	11
2.	Anupam Jain	anupam9981903102@gmail.com	12
3.	Abhishek Verma	abhishekverma9205@gmail.com	11

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)	2.6	9.36	00

Electricity from generator (diesel) (litres)	00	0.00	00
Petrol (litres)	00	0.00	00
Diesel (litres)	00	0.00	00
CNG (kilogrammes)	00	0.00	00
Kerosene (litres)	00	0.00	00
Coal (kilogrammes)	00	0.00	00
Wood (kilogrammes)	00	0.00	00
Animal waste (kilogrammes)	00	0.00	00
Solar (kwh)	00	0.00	00
Wind (kwh)	00	0.00	00
LPG (kilogrammes)	14.5	748.20	00
Piped Natural Gas (kilogrammes)	00	0.00	00
TOTAL	17.10	757.56	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	2	1.5	3
Refrigerator	0	0	0
Microwave	0	0	0
Tube Lights	150	40	0
CFL Bulbs	0	0	0
LED Lights	10	9	0
Fans	178	40	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?

190

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.	Mrs. Leena Singh	leena.singh1964@yahoo.com
2.	Mrs. Sunita Govil	sunitanalin@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr. Swapna Tiwari	swapnatiwari1961@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Annushree sen	senanushree98@gmail.com	12
2.	Arjun Chatterjee	arjun.sparkle@gmail.com	12
3.	Nityesh Dadhich	nityeshdadhich@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?

No

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

Yes

Supporting Documents

1. DSC07966.jpg
2. DSC07973.jpg
3. DSC07976.jpg
4. DSC07978.jpg
5. DSC079660.jpg

2(a)(1) How many students out of total student population bring home-made lunch?

1070.00

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	00	00	00
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	00	00	00
Potato fries and Burgers	00	00	00
Confectionery items (chocolate, candies, gums)	00	00	00
Ice-cream	00	00	00
Carbonated beverages	00	00	00
Sugar sweetened noncarbonated beverages	00	00	00
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	00	00	00
Packaged/Bottled Energy Drinks	00	00	00

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

Supporting Documents

1. IMG_20161117_110535aj.jpg
2. IMG_20161117_111106aj1.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Mr. M.M.Pushpkar	manmohanpushpkar@gmail.com
2.	Mrs .Bharti Sharma	bhartigouswami@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. R.K. Paliwal	ravindrapaliwal14@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Deepanshi Sahu	durgadassahu3@gmail.com	12
2.	Abhishek Jain	abhijainr@gmail.com	12
3.	Abhilasha Gupta	paragsourabh56@gmail.com	11
4.	Vandana Sharma	shivam.sharma9840@gmail.com	11

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)	24,281
Ground coverage area	4,080
Green landscaped area on-ground	16,187
Surface parking area	545
Play area that is paved/ concrete on ground	796
Play area that has grass on ground	9,600
Service Area on ground	10
Roof and terrace area	2,898

Green cover on exposed roof & terrace	0
Total built up/constructed area	4,080
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	55	10	65
Animals	50	5	55

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. DSC07490.jpg
2. DSC0796601.jpg
3. DSC07966002.jpg
4. DSC07501.jpg
5. DSC079661.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Dr.sanjay Khare	kharesanjay71@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr. Prashant Thote	prashant.thote@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Anupam Jain	anupam9981903102@gmail.com	12
2.	Uday Kumar Lodhi	udaykumarlodhi@gmail.com	12
3.	Wageesh Dwivedi	dwivediwageesh550@gmail.com	12
4.	Vaibhav Kaushik		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	1000
Toilet flushing	500
Personal cleaning	500
Washing clothes	50
Cooking	0
Cleaning Utensils	10
Washing Vegetables	00
Mopping floors	60
Gardening	700

Total	2820
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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?

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

=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?	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?	Yes
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. DSC07490anupam3.jpg
2. DSC07490anupam2.jpg
3. DSC07490anupam1.jpg
4. DSC07501anupam.jpg
5. DSC07490anupam4.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?.

Yes

6(a)(1)

Which is the catchment area being harvested by your school?

Rooftop + Paved + Unpaved

6(b)

How does your school harvest rainwater?

By recharging groundwater

6(b)(1)

Does your school have groundwater recharge structure?

Yes

6(b)(1)(i)

Please share the total number of groundwater recharge structures

2.00

6(b)(1)(ii)

Please tick the type of groundwater recharge structure used in your school:

Percolation pit/tank

6(c)

How much area in your school is harvested?

81 to 90 per cent

6(d)

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

Recharge structure

6(e)

Rate your catchment on cleanliness:

Good

No documents uploaded by the school.

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?

Post-monsoon

6(h)

What is the trend of groundwater level in your school across the year?

If there was an increase, please specify

6(h)(1)

Please specify how much was the increase?

1-5 metre annually

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?

30

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	3	2	0	5

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

11

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

4

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?

Yes

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.	Dr. Swapna Tiwari	swapnatiwari1961@gmail.com

Administrative staff

Sno.	Name	Email
1.	Dr. Prashant Thote	prashant.thote@rediffmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Robin Prasad	golu.robin10@gmail.com	12
2.	Vaibhav Asati	vaibhavasatidmo@gmail.com	12
3.	Atul Gupta	atulgvm29@gmail.com	11
4.	Sharad Soni	atulgvm29@gmail.com	11
5.	Vikash Jain	vikas9685176175@gmail.com	12
6.	Arjun Chatterjee	arjun.sparkle@gmail.com	12

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	30	00	30	0	0

Playgrounds	2	2	00	0	0
Common area (e.g. reception, corridors)	4	00	4	0	0
Staffroom	2	00	2	0	0
Laboratory	4	00	4	0	0
Canteen	0	00	0	0	0
Clinic/ Sick room	1	1	0	0	0
Library	1	00	1	0	0
Toilets	4	00	4	0	0
Others	0	00	0	0	0
Total	48	3	45	0	0

Supporting Documents

1. DSC08156dst2.jpg
2. DSC08281dst3.jpg
3. DSC08281dst4.jpg
4. DSC08295dst.jpg
5. DSC08296dst1.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	20
Kitchen waste	00
Paper	115
Plastic	5
Wood, glass, metal, classroom furniture	00
E-waste	00

Biomedical waste	01
Sanitary waste	05
Construction and Demolition (C & D) waste	00
Hazardous waste	00
Total Generated Solid Waste (in kilogram)	146

Supporting Documents

1. DSC08372dsk6.jpg
2. DSC08373dsk5.jpg
3. DSC08374dsk9.jpg
4. DSC08375dsk1.jpg
5. DSC08376dsk.jpg

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	10
Kitchen waste	00
Paper	115
Plastic	5
Wood, glass, metal, classroom furniture	00
E-waste	00
Biomedical waste	01
Sanitary waste	05
Construction and Demolition (C & D) waste	00
Hazardous waste	00

Total (in kilogram)

136

5

Does your school have a composting facility?

Yes

Supporting Documents

1. DSC08151vikash1.jpg
2. DSC08152vikash4.jpg
3. DSC08153vikash2.jpg
4. DSC08155vikash.jpg
5. DSC08156vikash3.jpg

5a

What is the methodology used?

Mechanical composting (with electricity/ machines)

5b

What is the quantity of compost that is generated per month(in kilogram)?

60.00

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
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)

Supporting Documents

1. DSC08428vj.jpg
2. DSC08431vj1.jpg
3. DSC08432vj2.jpg
4. DSC08433vj3.jpg
5. DSC08428vj4.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	0	0	0
VCR or DVD players	0	0	0
Refrigerators and freezers	0	0	0
Washing machines	0	0	0
Air conditioners	2	2	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)	0	0	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	6	6	0
Copying equipment (Photocopiers)	4	4	0
Projectors	1	1	0
Whiteboards	1	1	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	1	1	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	2	2	0
Pay telephones	1	1	0
Mobiles	1	1	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

policy waste Management 001.jpg

13

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

Yes

Supporting Documents

1. DSC07721dpt4.jpg
2. DSC07723dpt3.jpg
3. DSC07735dpt2.jpg
4. DSC07789dpt.jpg
5. DSC07828dpt1.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. DSC07735dpt2.jpg
2. IMG_20161117_110535aj.jpg
3. IMG_20161117_111106aj1.jpg



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?

Yes

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?

Installation of solar panel and drip irrigation

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	Average
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. Picture of Air Quality Monitoring equipment of school
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
6. Picture of audit team weighing solid waste
7. Picture of types of solid waste generated
8. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
9. Pictures of housekeeping staff disposing different types of solid waste
10. Waste Policy
11. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
12. Pictures of respective audit teams doing survey