



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: MGN PUBLIC SCHOOL
Address: THE MALL, KAPURTHALA,
KAPURTHALA, Kapurthala, Punjab, India
Coordinator Name: Mrs. Indu Singha, Mrs. Jagmeet Kaur



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

MGN PUBLIC SCHOOL

2

Address

THE MALL, KAPURTHALA, KAPURTHALA, Kapurthala, Punjab, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 1822 (NUMBER) 233662

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9501984408

5

Principal Name

Prabdeep Monga

6

GSP Coordinator Name

Mrs. Indu Singha, Mrs. Jagmeet Kaur

7

GSP Coordinator Email

mgnkpt1@hotmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8699610102

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	914	605	1519
Teachers	17	62	79
Non-Teaching Staff	41	18	59
TOTAL	972	685	1657

4(b)

How many visitors visit your school

5

5

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

204

6

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

Sep, Oct

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Sonal Sharma	Mrs. Sonal Sharma
2.	Mrs. Monita Opal	mgnkpt1@hotmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Parminder	mgnkpt1@hotmail.com
2.	Mr. Hardev Singh	mgnkpt1@hotmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Harjot Kaur	mgnkpt1@hotmail.com	12
2.	Shine	mgnkpt1@hotmail.com	12
3.	Manjot kaur	mgnkpt1@hotmail.com	12
4.	Shivang	mgnkpt1@hotmail.com	12
5.	Gaurav Aggarwal	mgnkpt1@hotmail.com	12

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

1 How many classrooms does your school have?

45

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)
Nur C	560.00	36.00	6.43
LKG A	560.00	36.00	6.43
I A	563.75	36.00	6.39
IV B	563.75	36.00	6.39

V A	566.00	36.00	6.36
VIII A	566.00	36.00	6.36
X C	560.00	36.00	6.43
XI E	560.00	36.00	6.43
XII C	560.00	36.00	6.43
IX C	560.00	36.00	6.43
TOTAL	5,619.50	360.00	

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-owned vehicles

3(a)

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	07	01	01	0	9
No. of vehicles more than five years old	04	0	0	0	4
Air conditioned	0	01	0	0	1
No. of vehicles with PUC done	07	01	01	0	9
Parking area (m2)	8	6	6	0	20

Supporting Documents

1. 7.jpg
2. 6.jpg
3. 5.jpg
4. page1.jpg
5. 3.jpg

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	07	0	0	0	0	0
Car	01	0	0	0	0	0
Van	01	0	0	00	0	0
Other vehicles	0	0	0	0	0	0
SUB-TOTAL	9	0	0	0	0	0

Supporting Documents

1. 7.jpg
2. 20150924_114634.jpg

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	255	11	1	267
Public Bus	326	14	0	340
School Transport(Other than bus)	0	1	0	1
Public transport (other than bus, Metro, car pool)	84	0	0	84
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	18	0	0	18
Personal four-wheeler	414	17	0	431
Personal two-wheeler	233	36	42	311
Bicycle	12	0	5	17
On foot	123	0	11	134
Others (non-motorised)	54	0	0	54
SUB-TOTAL	1519	79	59	1657

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.	Karan bhalla	mgnkpt1@hotmail.com
2.	Rajinder singh	mgnkpt1@hotmail.com
3.	Sarabjit singh	mgnkpt1@hotmail.com

Administrative staff

Sno.	Name	Email
1.	Harjinder singh	mgnkpt1@hotmail.com
2.	Parminder Singh	mgnkpt1@hotmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Anterjot kaur	mgnkpt1@hotmail.com	12
2.	Aishwariya	mgnkpt1@hotmail.com	12
3.	Naman	mgnkpt1@hotmail.com	11
4.	Japneet	mgnkpt1@hotmail.com	11
5.	Gurkirat	mgnkpt1@hotmail.com	11
6.	Ishita	mgnkpt1@hotmail.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. elec1.jpg

2

Does your school have its own vehicles?

Yes

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)	3500	12600.00	5,1,
Electricity from generator (diesel) (litres)	272	12403.20	1,5
Petrol (litres)	0	0.00	0
Diesel (litres)	3100	141360.00	4
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)	360	1296.00	1
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	37	1909.20	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	7269.00	169568.40	

Supporting Documents

1. cylinder1.jpg
2. cylinder2.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	24	1.5	2
Refrigerator	5	350	3
Microwave	22	20	0
Tube Lights	306	40	2
CFL Bulbs	5	200	5
LED Lights	4	75	5
Fans	315	53	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?

329

6

Are there any alternate sources of energy employed/ installed in your school?

Yes

6(a)

Name the alternate sources of energy employed/ installed in your school?

Solar

No documents uploaded by the school for energy chapter.



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Indu	mgnkpt1@hotmail.com
2.	Mrs. Jagmeet Kaur	mgnkpt1@hotmail.com
3.	Mrs. Manmeet Kaur	mgnkpt1@hotmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Bhikhampreet Singh	mgnkpt1@hotmail.com
2.	Mr. Talwinder Singh	mgnkpt1@hotmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sahil preet Singh	mgnkpt1@hotmail.com	12
2.	Karan varinder	mgnkpt1@hotmail.com	12
3.	Jagpreet	mgnkpt1@hotmail.com	12
4.	Harsimran kaur	mgnkpt1@hotmail.com	11
5.	Ish Bansal	mgnkpt1@hotmail.com	11
6.	Sakshi Oberoi	mgnkpt1@hotmail.com	10
7.	Anureet	mgnkpt1@hotmail.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. IMG_4331.jpg

2(a)(1)

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

1450.00

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	950	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	0
Potato fries and Burgers	1	650	10
Confectionery items (chocolate, candies, gums)	5	1100	10
Ice-cream	0	0	0
Carbonated beverages	4	773	10
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	1	150	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?

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?

Yes

7(a) Please provide the names?

5 Star, Dairy Milk

8 Are your school events such as quiz shows, talent shows, debates sponsored by food companies/brands?

No

Supporting Documents

1. IMG_4334.jpg
2. IMG_4335.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Jagmeet	mgnkpt1@hotmail.com
2.	Mr. Rajinder Singh	mgnkpt1@hotmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Parminder Singh	mgnkpt1@hotmail.com
2.	Mr. Harjinder Singh	mgnkpt1@hotmail.com
3.	Mr. Love Kush	mgnkpt1@hotmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Rasleen Kaur	mgnkpt1@hotmail.com	12
2.	Ravineet Kaur	mgnkpt1@hotmail.com	12
3.	Manreet Kaur	mgnkpt1@hotmail.com	12
4.	Naman	mgnkpt1@hotmail.com	12

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)	34,398
Ground coverage area	18,516
Green landscaped area on-ground	233
Surface parking area	20
Play area that is paved/ concrete on ground	1,400
Play area that has grass on ground	233
Service Area on ground	14,010

Roof and terrace area	14,010
Green cover on exposed roof & terrace	0
Total built up/constructed area	14,010
Total no. of floors	3
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	50	6	56
Animals	2	0	2

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_4336.jpg
2. IMG_4337.jpg
3. IMG_4338.jpg
4. Kuch Bhi.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Mr. Rishu Dhir	mgnkpt1@hotmail.com
2.	Mr. Lakhwinder Mehta	mgnkpt1@hotmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. Satpal	mgnkpt1@hotmail.com
2.	Mr. Talwinder	mgnkpt1@hotmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sakshi Oberoi	mgnkpt1@hotmail.com	10
2.	Gurleen Kaur	mgnkpt1@hotmail.com	10
3.	Birandeep Singh	mgnkpt1@hotmail.com	10
4.	Balraj Kang	mgnkpt1@hotmail.com	10
5.	Jaspinder Kaur	mgnkpt1@hotmail.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	1500
Toilet flushing	15000
Personal cleaning	0
Washing clothes	500
Cooking	40
Cleaning Utensils	400
Washing Vegetables	20

Mopping floors	200
Gardening	1000
Total	18660

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?

Municipality, 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

7-12 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?	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?	No
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).

17761

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?	No
Are the toilets accessible and safe to use for differently abled staff (teaching and non-teaching)?	No
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?

22

9

How many hand pumps do you have?

0

10

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

36

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

	Girls	Boys	Common	Total
Number of toilets	32	33	0	65

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

65

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

5

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.	Mr Rahul	mgnkpt1@hotmail.com
2.	Mrs Monita	mgnkpt1@hotmail.com

Administrative staff

Sno.	Name	Email
1.	Mr Ashwani	mgnkpt1@hotmail.com
2.	Mr Bhikhampreet	mgnkpt1@hotmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Pragya Mehta	mgnkpt1@hotmail.com	11
2.	Shubham	mgnkpt1@hotmail.com	11
3.	Komalseerat	mgnkpt1@hotmail.com	10
4.	Harsimran Sethi	mgnkpt1@hotmail.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. 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	43	0	43	0	0
Playgrounds	3	0	0	0	3
Common area (e.g. reception, corridors)	16	0	13	0	3
Staffroom	6	0	6	0	0
Laboratory	8	0	8	0	0
Canteen	3	0	0	0	3
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	30	0	30	0	0
Others	0	0	0	0	0
Total	111	0	102	0	9

Supporting Documents

1. IMG_4381.jpg
2. IMG_4385.jpg
3. IMG_4384.jpg
4. IMG_4346.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	300
Kitchen waste	20
Paper	250
Plastic	0
Wood, glass, metal, classroom furniture	12
E-waste	6

Biomedical waste	2
Sanitary waste	2
Construction and Demolition (C & D) waste	450
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	1042

Supporting Documents

1. IMG_4386.jpg
2. IMG_4388.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	0
Kitchen waste	0
Paper	0
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	4
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	380
Hazardous waste	0
Total (in kilogram)	384

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)

Supporting Documents

1. IMG_4382.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	3	3	0
VCR or DVD players	5	5	0
Refrigerators and freezers	5	5	0
Washing machines	1	1	0
Air conditioners	22	22	0
Heaters	22	22	0
Microwaves	2	2	0
Ovens	1	1	0
Toasters	1	1	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	109	109	0
Laptop computer (CPU, mouse, screen and keyboard included)	1	1	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	12	10	2
Copying equipment (Photocopiers)	2	2	0
Projectors	47	47	0
Whiteboards	45	45	0

Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	10	10	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	4	4	0
Pay telephones	0	0	0
Mobiles	2	2	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 dealer

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?

Yes

1(a)

If yes, then in which year did your school first participate in the GSP Audit?

2015

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?

We will take initiatives for RWH and we will try to reuse solid waste to the best possible extent.

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?

48.00

Checklist of uploaded documents

1. PUC certificates of not more than five buses
2. Fuel Bills
3. Picture of School owned vehicles
4. Electricity Bill
5. Photographs of lunch boxes
6. Picture of Canteen selling UPPF
7. Pictures of Green Cover
8. Pictures of landscaped area
9. Building construction plan
10. Pictures of playground with more than two dustbins
11. Picture of types of solid waste generated
12. Pictures of housekeeping staff disposing different types of solid waste
13. Pictures of respective audit teams doing survey