



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: J.C.MAHINDRA MEMORIAL SCHOOL
Address: JAGDISH NAGAR, MUSCO
COLONY, KHOPOLI, TQ. KHALAPUR,
DISTRICT - RAIGAD, KHOPOLI,
RAIGAD, Maharashtra, India
Coordinator Name: MRS. DEEPA MENON



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

J.C.MAHINDRA MEMORIAL SCHOOL

2

AddressJAGDISH NAGAR, MUSCO COLONY,KHOPOLI, TQ. KHALAPUR, DISTRICT - RAIGAD,
KHOPOLI, RAIGAD, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 2192 (NUMBER) 263817

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8308660900

5

Principal Name

PRASHANT U.KITKULE

6

GSP Coordinator Name

MRS. DEEPA MENON

7

GSP Coordinator Email

deepamenon20@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 7588105953

9

Category Of The School

Day Scholar

10

School Shifts

Both

GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:1

Highest level of grade:10

2

Is your school single gender or mixed gender?

Mixed/Co-education

3

Which board of education does the school follow?

State Board of Education (please select name of your state from the list below if applicable)

State: Maharashtra

4

Total permanent population of the school

	Male	Female	Total
Students	420	256	676
Teachers	4	26	30
Non-Teaching Staff	2	6	8
TOTAL	426	288	714

4(b)

How many visitors visit your school

65

5

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

236

6

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

July, Aug, Sep, Oct

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Mr. Abhimanyu Mane	Mr. Abhimanyu Mane
2.	Mrs. Jaya Mishra	cool.jayamishra@rediffmail.com

Administrative staff

Sno.	Name	Email
1.	Mrs. Anita Sainkar	anusainkar@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Om Dabade		8
2.	Aniket Yadav		8
3.	Shraddha Pawar		8
4.	Sandhya Goyel		8
5.	Rohit Gasti		9
6.	Omkar Minde		8
7.	Sudha Mishra		9
8.	Mukund Dhotre		8
9.	Mananki Pawar		7
10.	Ayush Singh		7

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

1 How many classrooms does your school have?

18

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 A	400.00	240.00	60.00

II B	400.00	240.00	60.00
III A	400.00	240.00	60.00
IV B	400.00	240.00	60.00
V A	400.00	240.00	60.00
VI B	400.00	240.00	60.00
VII A	400.00	240.00	60.00
VIII B	400.00	240.00	60.00
IX	400.00	240.00	60.00
X	400.00	240.00	60.00
TOTAL	4,000.00	2,400.00	

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
Schoool Bus	0	0	0	0
Public Bus	153	18	0	171
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	01	1
Taxi four-wheeler	14	0	0	14
Taxi three-wheeler	25	0	0	25
Personal four-wheeler	0	06	0	6
Personal two-wheeler	0	0	0	0
Bicycle	233	0	01	234

On foot	251	06	06	263
Others (non-motorised)	0	0	0	0
SUB-TOTAL	676	30	8	714

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.	Mrs. Arti Kherodkar	anusainkar@gmail.com
2.	Mrs. Rekha Shinde	@gmail.com
3.	Mr. Omkar Khandagale	omkhandagale90@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mrs. Anita Sainkar	anusainkar@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Afrin Mansure		8
2.	Apurva Wadkar		8
3.	Sunny Rajbhar		8
4.	Chinmay Khandagale		8
5.	Mukesh Dhotre		8
6.	Prathamesh Wagh		8
7.	Shivkumar jare		9
8.	Muskan Mansuri		9
9.	Kajal Mishra		9
10.	Sakshi Jiremali		7

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)	72000	259200.00	5
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)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	72000.00	259200.00	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	3	6*4	4
Refrigerator	1	74 litres	4
Microwave	0	0	0

Tube Lights	93	40 watts	1
CFL Bulbs	8	18 watts	3
LED Lights	16	16 watts	4
Fans	41	75 watts	4

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?

245

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. Babita Panicker	babita.panicker@gmail.com
2.	Mrs. Sandhya Kakade	anusainkar@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mrs. Anita Sainkar	anusainkar@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Vivek Mishra		9
2.	Soumya Saroj		9
3.	Perna Mhatre		9
4.	Shruti Rewale		9
5.	Priyanshu Singh		9
6.	Ritik Toraskar		8
7.	Yash Patil		8
8.	Shivani Yadav		8
9.	Avishkar sakte		9
10.	Isha Dighe		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. DSCN8274.JPG
2. DSCN8276.JPG

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

823.00

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
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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?

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.	Mrs. Sameeta Mohare	sameeta444@gmail.com
2.	Miss. Dipeeka Deshmukh	dipeekadeshmukh@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mrs. Anita Sainkar	anusainkar@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sakshi Chawadi		8
2.	Anjali Rathod		7
3.	Apoorva Gole		8
4.	Manish Sathe		7
5.	Anush Surve		7
6.	Sanskriti Shinde		7
7.	Sanika Ghavate		8
8.	Harshita Singh		7
9.	Atharv Prabhune		7
10.	Om Dalvi		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)	38,357
Ground coverage area	30,748
Green landscaped area on-ground	30,748
Surface parking area	900

Play area that is paved/ concrete on ground	14
Play area that has grass on ground	23,139
Service Area on ground	7,609
Roof and terrace area	7,609
Green cover on exposed roof & terrace	0
Total built up/constructed area	7,609
Total no. of floors	1
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	45	0	45
Animals	50	0	50

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. DSCN4288.JPG
2. DSCN8329.JPG
3. DSCN8331.JPG
4. DSCN8327.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Deepa Menon	deepamenon20@gmail.com
2.	Mrs. Sheela Chavan	anusainkar@gmail.com
3.	Mr. Rajesh Sainkar	anusainkar@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mrs. Nutan Patil	patilnutan148@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Janhavi Saroj		8
2.	Sneha Singh		8
3.	Sejal Raut		8
4.	Santosh Rao		8
5.	Rohan Reddy		8
6.	Pramod Patel		8
7.	Sumit Pal		9
8.	Yash Khopkar		9
9.	Prathamesh Jadhav		9
10.	Sunny Yadav		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	1000
Toilet flushing	1000
Personal cleaning	200

Washing clothes	0
Cooking	0
Cleaning Utensils	50
Washing Vegetables	0
Mopping floors	50
Gardening	100
Total	2400

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?

Private supplier

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?	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?	Yes
Any other step taken for water conservation? (if Yes, please specify)	No

Supporting Documents

1. DSCN8333.JPG
2. 20161119_101343.jpg
3. 20161119_101246.jpg
4. Picture6.jpg
5. 20161119_110538.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.

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, Collection sump

6(e) Rate your catchment on cleanliness:

Average

Supporting Documents

1. DSCN8355.JPG
2. DSCN8276.JPG
3. DSCN8339.JPG
4. DSCN8353.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?

Do not follow any such pattern

6(g) Does your school monitor the rainwater harvesting structure for its efficiency?

No

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?

Less than a 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?

No

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?

3

9 How many hand pumps do you have?

0

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

5

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

	Girls	Boys	Common	Total
Number of toilets	1	2	2	5

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

38

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?

No

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, Flushing

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Mrs. Sandhya Dandkar	sandhyamandawle2013@gmail.com
2.	Miss. Manali Joshi	joshi.mm789@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mrs. Anita Sainkar	anusainkar@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Jeeval Sakhare		8
2.	Sakshi Patil		9
3.	Chetana Kamble		9
4.	Pranali Deshmukh		8
5.	Roshani Singh		9
6.	Atharva Pisat		8
7.	Yash Sonawane		9
8.	Vikrant Mahajan		8
9.	Abhishek Yadav		9
10.	Angel Naiju		8

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	18	0	0	18	0
Playgrounds	1	0	1	0	0
Common area (e.g. reception, corridors)	4	0	0	0	4
Staffroom	1	0	0	1	0
Laboratory	1	0	0	1	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	5	0	0	5	0
Others	2	0	0	2	0
Total	33	0	2	27	4

Supporting Documents

1. 20161026_084942.jpg
2. DSCN4206.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	45
Kitchen waste	0
Paper	7
Plastic	0
Wood, glass, metal, classroom furniture	2
E-waste	0

Biomedical waste	0
Sanitary waste	5
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	59

Supporting Documents

1. DSCN4192.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	7
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total (in kilogram)	7

5

Does your school have a composting facility?

Yes

Supporting Documents

1. DSCN4198.JPG
2. DSCN4203.JPG

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)?

2.00

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)



Supporting Documents

1. Picture3.jpg
2. Picture2.jpg

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. 20161119_102157.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	0	0	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	0	0	0
Copying equipment (Photocopiers)	0	0	0
Projectors	0	0	0
Whiteboards	0	0	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	0	0	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?

No

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

Supporting Documents

1. DSC_0979.JPG
2. Picture1.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. RSCN8340.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?

2012

1(b)

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

5

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?

Interactive correspondence, workshops

8

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Good
Distribution of time among tasks	Average
Sequencing of tasks	Average

Orientation for conducting tasks	Average
9	<p>Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?</p> <p>No</p>
10	<p>Could you finish all the tasks in given period of time online?</p> <p>Yes</p>
11	<p>How many times did you contact the Green Schools Programme Team for guidance and counseling?</p> <p>More than twice</p>
12	<p>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?</p> <p>Yes</p>
13	<p>Did your students enjoy doing the Water activities?</p> <p>Yes</p>
13(a)	<p>How many students were involved in the activities?</p> <p>70.00</p>

Checklist of uploaded documents

1. Photographs of lunch boxes