



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: Mahindra Academy
Address: Mahindra nagar, zaheerabad,
ZAHEERABAD, Medak, Telangana, India
Coordinator Name: B.DATTU 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

Mahindra Academy

2

Address

Mahindra nagar, zaheerabad, ZAHEERABAD, Medak, Telangana, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) (NUMBER)

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9032158127

5

Principal Name

SISTLA SAMKARPAD

6

GSP Coordinator Name

B.DATTU KUMAR

7

GSP Coordinator Email

dattukumarbiradar@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9032158127

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: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: Telangana

4

Total permanent population of the school

	Male	Female	Total
Students	421	314	735
Teachers	9	25	34
Non-Teaching Staff	5	8	13
TOTAL	435	347	782

4(b)

How many visitors visit your school

10

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?

Oct

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	B.Dattukumar	B.Dattukumar
2.	V.Ratna	ratna.valande@gmail.com
3.	G. Rama Devi	ramadevishanar1969@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sistla Samkarpad	sistlasamkarpad@yahoo.com;
2.	M. Srikanth Reddy	srikanth.m1976@gmail.com
3.	K.Varalakshmi Devi	varalakshidevikodati@gmail.com
4.	Daniel	danielsuziki@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sai supritha	saisupritha@gmail.com	7
2.	Sai Nikitha		7
3.	Vaishnaivi		7
4.	Akhila Reddy		7
5.	Sara Rohi		7
6.	C. Vignesh		7
7.	MD. Abed		7
8.	Abhiram		7
9.	Ritesh		7
10.	B.ShivaPrasad		7

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

1

How many classrooms does your school have?

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)
Class I	48.00	32.00	66.67
Class II	48.00	32.00	66.67
Class III	48.00	32.00	66.67
Class IV	48.00	32.00	66.67
Class V	48.00	32.00	66.67
Class VI	48.00	32.00	66.67
Class VII	48.00	32.00	66.67
Class VIII	48.00	32.00	66.67
Class IX	48.00	32.00	66.67
Class X	48.00	32.00	66.67
TOTAL	480.00	320.00	

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?

A combination of school-owned and operator-owned vehicles

3(a)

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	10	0	0	1	11
No. of vehicles more than five years old	4	0	0	0	4
Air conditioned	0	0	0	1	1
No. of vehicles with PUC done	1	0	0	1	2
Parking area (m2)	1000	0	0	0	1000

Supporting Documents

1. img 1.JPG
2. img 2.JPG
3. img 3.JPG
4. img 4.JPG

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	10	0	0	0	0	0
Car	0	0	0	0	0	0
Van	0	0	0	0	0	0
Other vehicles	1	0	0	0	0	0
SUB-TOTAL	11	0	0	0	0	0

Supporting Documents

1. img 5.JPG
2. img 6.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	618	27	0	645
Public Bus	0	0	0	0
School Transport(Other than bus)	0	01	0	1
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	06	0	0	6
Taxi three-wheeler	75	0	11	86

Personal four-wheeler	0	01	0	1
Personal two-wheeler	24	04	03	31
Bicycle	0	0	0	0
On foot	12	0	0	12
Others (non-motorised)	0	0	0	0
SUB-TOTAL	735	33	14	782

Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

1

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.	CH.Varalakshmi	varalakshmichikki@gmail.com
2.	Yellaseshamma	lakshmibommana@gmail.com
3.	K.Srujaykumar	jays.k1987@gmail.com

Administrative staff

Sno.	Name	Email
1.	SISTLA SAMKARPAD	sistlasamkarpad@yahoo.com
2.	M.SRIKANTH REDDY	srikanth.m1976@gmail.com
3.	K.VARALAKSHMIDEVI	varalakshmidevikodati@gmail.com
4.	DANIEL	danielsuzuki@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	M.VIGNESHWAR REDDY	vigneshwarreddy@gmail.com	6
2.	G.SRIPAD		6
3.	V.GANESH		6
4.	M.ARUN KUMAR		6
5.	D.SUMITH		6
6.	M.KEERTHANA		6
7.	SHAISTHA NAAZ		6
8.	P.BHAVYA SRI		6
9.	M.KAVYA		6
10.	M.SAHASRA		6

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?

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)	0	0.00	0
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	0	0.00	0
Diesel (litres)	69	3146.40	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	69.00	3146.40	

Supporting Documents

1. fuel bill.JPG

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	2	300	5

Refrigerator	1	1.60	5
Microwave	0	0	0
Tube Lights	237	40	0
CFL Bulbs	32	14	0
LED Lights	06	14	0
Fans	159	40	0

Supporting Documents

1. ac.JPG
2. ac.JPG

Task 3: Is your school using any renewable sources of energy?

5

What is the average number of sunny days in your area?

280

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.	B. Yellaseshamma	laksmibommana@gmail.com
2.	K.Shantha Bai	shsnthanaresh22@gmail.com
3.	Reshma Yasmin	reshma-syeda@gmail.com

Administrative staff

Sno.	Name	Email
1.	sistlaSamkarpad	sistlasamkarpad@Yahoo.com
2.	M.Srikanth Reddy	srikanth.m1976@gmail.com
3.	K.Varalakshmi Devi	varalakshmidevikodati@gmail.com
4.	Daniel	danielsuziki@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	sanobar	sanobar@gmail.com	8
2.	Hari Chandana		8
3.	M. Vaishnavi		8
4.	Wajee Unnisa		8
5.	M.vignesh Kumar		8
6.	MD. Ubed		8
7.	Pavan Kalyan		8
8.	Sreenikatan Tagore		8
9.	Basava chetan		8
10.	Kevin		8

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. bs.JPG
2. bs2.JPG

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

735.00

2(a)(2) Of the students who bring lunch from home, how many bring packaged food?

735.00

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

Supporting Documents

1. audit team.JPG



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Jagadishwar	jagadishwar.a@gmail.com
2.	V.ratna	ratna.valande@gmail.com
3.	K.shantha Bai	shanthanaresh22@gmail.com

Administrative staff

Sno.	Name	Email
1.	Sistla Samkarpad	sistlasamkarpad@yahoo.com
2.	M.Srikanth Reddy	srikanth.m1976@gmail.com
3.	K.varalakshmi Devi	varalakshmidetikodati@gmail.com
4.	Daniel	danielsuziki@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ashwini Reddy	ashwini@gmail.com	7
2.	Vaishnavi		7
3.	Chandipriya		7
4.	Sai Supritha		7
5.	Sai Nikitha		7
6.	B. Akash		7
7.	P. Sangameshwar		7
8.	Nikhil		7
9.	Srishylam		7
10.	Abhijit		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 (m2)	40,000
Ground coverage area	6,500
Green landscaped area on-ground	3,000
Surface parking area	1,000
Play area that is paved/ concrete on ground	1,647
Play area that has grass on ground	0
Service Area on ground	100
Roof and terrace area	0
Green cover on exposed roof & terrace	0
Total built up/constructed area	1,152
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	592	0	592
Animals	0	0	0

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. grd.JPG
2. cont plan.JPG
3. pl1.JPG



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	G.Ramadevi	ramadevishanker1969@gmail.com
2.	B. Dattukumar	dattakumarbiradar@gmail.com
3.	vilas kulkarni	vilas bk@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Sistla Samkarpad	sistlasamkarpad@gmail.com
2.	M. Srikanth Reddy	srikanth.m1976@gmail.com
3.	K.Varalakshmi Devi	varalakshmidetikodati@gmail.com
4.	Daniel	danielsuziki@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	AKANKSHA	akanksha@gmail.com	9
2.	SHARANYA		9
3.	POOJA		9
4.	YASHASHIVI		9
5.	SHRESTA		9
6.	KAVYA		9
7.	YATEESHA		9
8.	SOHAIL		9
9.	ADHITHYA		9
10.	SHREYESH		9

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	2000

Toilet flushing	2500
Personal cleaning	0
Washing clothes	0
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	500
Gardening	500
Total	5500

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

2-6 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?	No
Do the drinking water points have spill proof taps to check overflow?	No

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?	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?	No
Does your school use a drip or irrigation system?	No
Any other step taken for water conservation? (if Yes, please specify)	No

Supporting Documents

1. tps.JPG

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).

5000

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?

8

9 How many hand pumps do you have?

0

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

75

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

	Girls	Boys	Common	Total
Number of toilets	15	15	0	30

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?

0

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?

No

18(a)

Please specify the fate of wastewater

Wastewater flows directly to the drains

Supporting Documents

1. waste water.JPG



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	V .RATNA	ratna.valande@gmail.com
2.	VILAS KULKARNI	vilasbk@yahoo.com
3.	K .RATNA KUMARI	ratnakumari.nelaturi@gmail.com

Administrative staff

Sno.	Name	Email
1.	SISTLA SAMKARPAD	sistlasamkarpad@yahoo.com
2.	M.SRIKANTH REDDY	srikanth.m1976@gmail.com
3.	K.VARALAKSHMI DEVI	varalakshmidevikodati@gmail.com
4.	DANIEL	danielsuziki@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	M. VIGNESHWAR	vigneshwarm@gmail.com	8
2.	R. SRINEKETH TAGORE		8
3.	G. KEVIN		8
4.	MD. FAIZAL		8
5.	MD. UBED		8
6.	SANOBAR SALAM		8
7.	UZIHA UNNISSA		8
8.	SRI HARI CHANDANA		8
9.	M. VAISHNAVI		8
10.	B. CLESSI AROMICA		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	24	5	19	0	0
Playgrounds	1	0	1	0	0
Common area (e.g. reception, corridors)	7	0	7	0	0
Staffroom	3	0	3	0	0
Laboratory	1	0	1	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	1	0	0
Toilets	5	0	5	0	0
Others	1	0	1	0	0
Total	43	5	38	0	0

Supporting Documents

1. bs3.JPG
2. dustbin 1.JPG
3. dustbin 2.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	5
Kitchen waste	0

Paper	30
Plastic	1
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 Generated Solid Waste (in kilogram)	36

Supporting Documents

1. ayaa.JPG
2. bs3.JPG
3. bs3.JPG

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)	✓	✓	✗	✗

Supporting Documents

1. sys.JPG

Task 5: How does your school dispose waste?

8

What is the final destination for waste that is disposed of externally?

Open dumping

Supporting Documents

1. ayaa.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	1	1	0
VCR or DVD players	1	1	0
Refrigerators and freezers	1	1	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)	39	34	5
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	2	2	0
Copying equipment (Photocopiers)	1	1	0
Projectors	0	0	0
Whiteboards	1	1	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	6	4	2
Fax machines	0	0	0
Telex	0	0	0
Telephones	1	0	1
Pay telephones	0	0	0
Mobiles	1	1	0
Answering systems	0	0	0

Supporting Documents

1. c3.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?

No

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. audit team.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?

2015-2016

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?

To make our school as a green school we have to build the water recycling process in our school campus.

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? 10.00

Checklist of uploaded documents

1. PUC certificates of not more than five buses
2. Fuel Bills
3. Picture of School owned vehicles
4. Picture of 5 star appliances used by school
5. Photographs of lunch boxes
6. Building construction plan
7. Pictures of dustbins in classroom showing segregation at source
8. Pictures of playground with more than two dustbins
9. Pictures of housekeeping staff disposing different types of solid waste
10. Pictures of Electronic items used by school and storage of non-working electronic items
11. Pictures of respective audit teams doing survey