COMMISSIONERATE OF COLLEGIATE EDUCATION, TELANGANA: HYDERABAD
PROFORMA FOR GREEN AUDIT

College Profile

Name of the College: GOVERNMENT DEGREE COLLEGE

Address: SADASIVPET, SANGAREDDY DIST.

Contact Info: 9154806839

Campus Area 13 ACRES 11 guntas

Built-up Area 18000 Sft

Is the building has ventilators for natural air flow in all rooms: Yes

The student and faculty strength of the college:

Strength	Male	Female	Total
No of students	101	92	193
No of Teaching Staff	7	7	14
No of Non-Teaching staff	2	1	3

Physical Structure

The available land of the college: _13____ acres and __11____ Guntas.
The built-up area of the college: 20000 Sq.Ft.

No. of Class Rooms	12
No. of Laboratories	06
No. of Conference halls	01
Library Halls	01
Auditorium	---
Canteen	---
Any other (please specify)	------

Objectives :	Waste minimization, Plantation, Energy and Water Saving Programmes
Prepared by:	Green audit committee, GDC, Sadasivpet
Approved by:	DR. CHANDRA MUKHERJI EXTERNAL AUDIT MEMBER 30.09.2021 Principal, Govt. Degree College Zaheerabad-502 220. Sangareddy Dist.
Remarks :	Verified and Found Correct. Deserves Appreciation.

FORMS AND SUPPORT MATERIAL	
Questionnaire Document ref. name/no.:	Yes
Checklist for Environmental Audit Document ref. name/no.:	-------
Additional forms and support material:	PHOTOGRAPHS, PAPER CLIPPINGS

30.9.2021

Principal,
Govt. Degree College
Zaheerabad-502 220.
Sangareddy Dist.

AUDITING FOR WATER MANAGEMENT

1. List out uses of water in your college. Water is used for following purposes:

   i) Drinking purpose ii) In Laboratory iii) To Plants iv) For Cleaning

2. What are the sources of water in your college?

Apart from the rain water this college is provided one Bore well as water source.

3. How many wells are there in your college?

   This college has provided one bore well

4. NO. of motors used for pumping water from each well?

   01 motor is used for pumping water from bore well

5. What is the total horse power of each motor?

   1HP is the total horse power of motor.

6. What is the depth of each well?

   The total depth of the well is 350 feet

7. What is the present depth of water in each well?

   The present depth of water in each well 1s 290 feet

8. How does your college store water?

   Water is stored in over head tanks.

9. Quantity of water stored in your overhead water tank? (In liters)

   There are 4 overhead tanks with total storage capacity of 5000 lit

10. Quantity of water pumped every day? (In liters)

    water pumped every day is 1500 lit

11. If there is water wastage, specify why.

    Waste water comes from RO plant

How can the wastage be prevented / stopped? Waste water comes from RO plant is used for plants,

Water wastage can be prevented by regular monitoring of tap leakages

12. Locate the point of entry of water and point of exit of waste water in your college.

- Entry of the water through pipes

-Exit of the water through drainage

13. Where does waste water come from?

Waste water comes from RO plant

14. Where does the waste water go?

the waste water goes to plants and Soaking pit

15. What are the uses of waste water in your college?

waste water useful for Plants

16. What happens to the water used in your labs? Whether it gets mixed with ground water?

Lab water enters in to ground after neutralization

17. Is there any treatment for the lab water?

Yes, Neutralization

18. Whether green chemistry methods are practiced in your labs?

Yes, we neutralize acids and bases before releasing in to the ground.

19. Write down four ways that could reduce the amount of water used in your college.

i) Close the taps properly after use

ii) Rain water used for gardening purpose

iii) By avoiding the overflow and leakage of tanks and water taps

iv) Less amount of water is used for labs.

20. Record water use from the college water meter for six months.

At present no water meters is using in college.

21. Bimonthly water charges paid to water connections if any

Nil

22. No. of water coolers. Amount of water used per day? (in liters)

Nil

23. No. of water taps. amount of water used per day?

There are 20 taps in the college, Total amount of water used per day is 1000 lit

24. No. of bath rooms in staff rooms, common, hostels. Amount of water used per day?

No. of bath rooms in staff rooms is 02

No. of bath rooms in staff rooms is 02

No. of hostels is Nil

Amount of water used per day is 500 lit

25. No. of toilet, urinals. Amount of water used per day? No. of toilets are 15, Amount of water used per day is 1500 lit

26. No. of water taps in the canteen. Amount of water used per day?

Nil (NO Canteen in college)

27. Amount of water used per day for garden use.

Amount of water used per day for garden use is 200 lit

28. No. of water taps in laboratories. Amount of water used per day in each lab?

29. No. of water taps in laboratories is 02. Amount of water used per day in each lab is 50 lit

30. Total use of water in each hostel?

Nil (No Hostel in college)

31. At the end of the period, compile a table to show how many liters of water have been used in the college for each purpose

S. No	Type of Usage	Amount of water
1	Through water taps per day	1000 lit
2	Bath rooms for staff and common	500 lit
3	Toilets, Urinals	1500 lit
4	Laboratory	50 lit
5.	Gardening	200 lit
	Total	3250 lit

32. Is there any water used for agricultural purposes?

NO

33. Does your college harvest rain water?

NO

34. If yes, how many rain water harvesting units are there? (Approx. amount)

Nil

35. How many of the taps are leaky? Amount of water lost per day?

Nil

36. Are there signs reminding people to turn off the water? Yes / No

Yes

37. Is there any waterless toilets?

No

38. How many water fountains are there?

Nil

39. How many water fountains are leaky?

Nil

40. Is drip irrigation used to water plants outside? YES/NO

NO

41. How often is the garden watered?

Weekly twice

42. Quantity of water used to watering the ground?

200 lit

43. Quantity of water used for bus cleaning? (Liters per day)

Nil (NO BUS to College)

44. Amount of water for other uses? (Items not mentioned above)

Nil

45. Area of the college land without tree/building canopy.

3 acres

46. Is there any water management plan in the college?

Yes

47. Are there any water saving techniques followed in your college? What are they?

- Regular Checkup of Taps and pipes for leaks.
- Plant drought-resistant trees and plants
- Usage of RO waste water to plants

48. Please share Some Idea for how your college could save more water.

College could save more water by arrange drip irrigation and waterless toilets

WATER SOAKING PIT

AUDITING FOR ENERGY MANAGEMENT

1. List ways that you use energy in your college. (Electricity, electric stove, kettle,c microwave, LPG, firewood, Petrol, diesel and others).

Electricity, Diesel.

2. Electricity bill amount for the last year.

33691=00Rs

3. Amount paid for LPG cylinders for last one year.

Nil

4. Weight of firewood used per month and amount of money spent? Also mention the amount spent for petrol/diesel/ others for generators?

College not used firewood. amount spent for diesel for generators is 8000 Rs.

5. Are there any energy saving methods employed in your college? If yes, please specify. If no, suggest some.

We are using LED bulbs,Led tubes and CFL Bulbs for saving the energy

6. How much money does your college spend on energy such as electricity, gas, firewood, etc. in a month?

college spend money on energy such as electricity 2800=00

7. How many CFL bulbs has your college installed? Mention use (Hours used/day for how many days in a month)

04 bulbs & 6 hours/day and 25 days

8. Energy used by each bulb per month? (For example-60 watt bulb x 4hours x number of bulbs = Kwh).

14watts*4 bulbs* 6 hours/day*25 days=8400wh=8.4kwh

9. How many LED bulbs are used in your college? Mention the use (Hours used/day for how many days in a month)

LED bulbs& 16 hours/day and 25 days in a month

10. Energy used by each bulb per month? (kWh).

9watts*16 hours*10 bulbs*25days=36000wh=36kwh

11. How many incandescent (tungsten) bulbs have your college installed? Mentions use (Hours used/day for how many days in a month)

Nil

12. Energy used by each bulb per month? (kWh).

Nil

13. How many fans are installed in your college? Mention use (Hours used/day for how many days in a month)

42 fans are installed in college &6 hours and use 25 days in a month

14. Energy used by each fan per month? (kWh).

60 w*6hours*25days*42fans=378000wh=378kwh

15. How many air conditioners are installed in your college? Mention use (Hours used/day, for how many days in a month)

Nil

16. Energy used by each air conditioner per month? (kWh).

Nil

17. How many electrical equipment including weighing balance are installed your college? Mention the use (Hours used/day for how many days in a month)

NIL

18. Energy used by each electrical equipment per month? (kWh).

Nil

19. How many computers are there in your college? Mention the use (Hours used/day for how many days in a month)

43 computers &6 hours/day and 25 days in a month

20. Energy used by each computer per month? (kWh).

43*6*25*250=1612500wh=1612.5kwh

21. How many photocopiers are installed by your college? Mention use (Hours used/day for how many days in a month).

1 & 2hours and 25 days in a month

22. How many cooling apparatus are in installed in your college? Mention use (Hours used/day for how many days in a month)

1 & 24 hours and 25 days in a month

23. Energy used by each cooling apparatus per month? (kWh) Mention use (Hours used/day for how many days in a month)

1*24*25*150=90000wh=90kwh

24. Energy used by each photocopier per month? (Kwh) Mention the use (Hours used/day for how many days in a month) how many inverters your college installed? Mentions use (Hours used/day for how many days in a month)

1*2*25days*650=32500wh=32.5kwh

2 hours/day and 25 days in a month

No inverters

25. Energy used by each inverter per month? (kWh).

nil

26. How many electrical equipment are used in different labs of your college? Mention the use (Hours used/day for how many days in a month)

nil

27. Energy used by each equipment per month? (kWh)

Nil

28. How many heaters are used in the canteen of your college? Mention the use (Hours used/day for how many days in a month)

nil

29. Energy used by each heater per month? (kWh)

nil

30. No of street lights in your college?

02 lights only

31. Energy used by each street light per month? (kWh)

02 bulbs*09watts*16 hours*25 days=7.2kwh

32. No of TV in your college and hostels?

01

33. Energy used by each TV per month? (kWh)

01*200 watts*25 days*1 hour=5kwh

34. Any other item that uses energy (Please write the energy used per month) Mention the use (Hours used/day for how many days in a month)

nil

35. Are any alternative energy sources/nonconventional energy sources employed / installed in your college? (Photovoltaic cells for solar energy, windmill, energy efficient stoves, etc..) Specify.

nil

36. Do you run “switch off” drills at college?

yes

37. Are your computers and other equipment put on power-saving mode?

Yes

38. Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby mode most of the time? If yes, how many hours?

no

39. What are the energy conservation methods adapted by your college?

Turn the lights off in unoccupied students rooms and shutdown the computers when not in use.

40. How many boards displayed for saving energy awareness?

04 boards

41. How much ash is collected after burning fire wood per day in the canteen?

Nil

42. Write a note on the methods/practices/adaptations by which you can reduce the energy use in your college campus in future.

To install the solar system in future

Calculation of energy for electrical appliances Appliance Power used in (watt) Usage per day (hours) Number of appliances Average kWh per day (Watt X hours X Number X 1000) Average kWh per month (Watt X hours X Number X 1000 x 30) Incandescent bulb 60 watt CFL 18 W Microwave 1000W Stove 3000W Kettle 2500W

AUDITING FOR WASTE MANAGEMENT

What is the total strength of students, teachers and Non-teaching staff in your College?

No. of Students; No. of Teachers; No. Non-teaching staff; Gents - Ladies Total

Strength	Male	Female	Total
No of students	101	92	193
No of Teaching Staff	7	7	14
No of Non-Teaching staff	2	2	4

Which of the following are available in your College?

Give area occupied -13acres, Garden area -3Acres and Garbage dump (number) -NO

Playground area 4 Acres , Laboratory -6, Kitchen - NO, Canteen -NO, Toilets (number) -4, Car/scooter shed area - NO

Number of class rooms -12, Office rooms 01 and others (specify) : Library, TSKC, Seminar Hall

Which of the following are found near your college? Mark the level of disturbance it creates for the college in a scale of 1 to 9.

Municipal dump yard: NO

Garbage heap: NO

Stagnant water: NO

Open drainage Industry – (Mention the type): NO

Bus / Railway station Market / shopping complex / public halls: NO

WASTE

Does your college generate any waste? If so, what are they?

How much quantity?

Number or weight E-waste Hazardous waste (toxic)

Solid waste: 0.75Kg

Dry leaves : 0.25kg

Canteen waste :NO

Liquid waste :1 Liter Per Day

Glass :NO

Unused equipment : 2

Medical waste if any :NO

Napkins Others (Specify) :NO

Is there any waste treatment system in the college?

Ans: Yes we have compost pit in our college.

Is there any treatment for toilet/urinal/sanitary napkin waste? NO

1 What is the approximate quantity of waste generated per day? (in Kilograms) Office Laboratories Canteen/kitchen :NO

2 Why waste is a problem?

Ans: Waste causes pollution, it increases mosquitos,and other insects due to this ill health problems occurs in the college.

3 Whether waste is polluting ground/surface water? How? :NO

4 Whether waste is polluting the air of the college? How? :NO

5 How is the waste generated in the college managed?

Methods 1 Composting(Yes) 2 Recycling 3 Reusing 4 Others (specify)

6 How many separate boxes do you think you would need to put into a classroom to start a waste segregation and recycling campaign?

Ans:2 boxes for each class

What should be the use for each box? (Develop a Colour code with reasons)

Ans: Green colour box for Recyclable and Blue colour box for Non Recyclable.

7 Do you use recycled paper in College? :NO

8 Is there any waste wealth program practiced in the college? :NO

Approx. Bio degradable Non-Bio degradable Hazardous Others < 1 kg. 2 - 10 kg. > 10 kg.

Approx. Bio degradable Non-Bio degradable Hazardous Others < 1 kg. 2 - 10 kg. > 10 kg.

Approx. Bio degradable Non-Bio degradable Hazardous Others < 1 kg. 2 - 10 kg. > 10 kg.

9 How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify.

Ans: We spread the message of recycling to others in the community by organizing awareness programmes by NSS,NCC and ECO-CLUB

10 Can you achieve zero garbage in your college? (Reduce, Recycle, Reuse, Refuse) If yes, how? :NO

Compost pit

AUDITING FOR GREEN CAMPUS MANAGEMENT

1. Is there a garden in your college? Area? Yes approx. 600 sq yards

2. Do students spend time in the garden? Yes

3. List the plants in the garden, with approx. numbers of each species.

S.NO	NAME OF THE PLANT	NO.OF PLANTS
1	• Tulasi	10
2	• Cherry	2
3	• Teak	4
4	• Coconut	3
5	• Redwood	2
6	• Jasmine	2
7	• Star fruit	1
8	• Mulberry	1
9	• Rose	2
10	• Neem	1
11	• Cashew	1
12	• Jack fruit	2

4. Suggest plants for your campus. (Trees, vegetables, herbs, etc.)

- Mango
- Rosewood
- Guava
- Teak
- Tamarind
- Curryleaf
- Drumstick
- Lemon
- Pomogranate
- Ladys finger
- Brinjal
- Ridge guard
- Tomato
- Ashwagandha
- Nela usiri
- Tippateega
- Sabja

5. List the species planted by the students, with numbers.

S.NO	NAME OF THE PLANT	NO.OF PLANTS
1	• Azadirechta indica	10
2	• Ecalyptus	10
3	• Pongamia	20
4	• Bell plants	20
5	• Teak plants	20

6. Whether you have displayed scientific names of the trees in the campus? –We have displayed boards for some plants

7. Is there any plantations in your campus? If yes specify area and type of plantation. –Yes, some plantation has done during harithaharam programme

8. Is there any vegetable garden in your college? If yes how much area? -No

9. Is there any medicinal garden in your college? If yes how much area? –No

We are planning to start growing medicinal plants. Already we have few medicinal plants in our garden

10. What are the vegetables cultivated in your vegetable garden? (Mention the quantity of harvest in each season) -NA

11. How much water is used in the vegetable garden and other gardens? (Mention the source and quantity of water used). -NA

12. Who is in charge of gardens in your college? –

Dr.D.Karunakar NSS Programme officer Unit-I

Smt.K.Anuradha. NSS Programme officer Unit-II

13. Are you using any type of recycled water in your garden? –Yes. Waste water released from RO plant is used for watering plants

14. List the name and quantity of pesticides and fertilizers used in your gardens? –No, we are not using chemicals in garden

15. Whether you are doing organic farming in your college? How? No

16. Do you have any composting pit in your college? If yes, what are you doing with the compost generated? -YES, We have a pit in the garden. We used to fill the pit with organic waste like fallen plant parts and dung. That waste decomposes to form compost.

The compost generated in the college was being used as manure for plants in the garden

17. What do you doing with the vegetables harvested? Do you have any student market? No

18. Is there any botanical garden in your campus? If yes give the details of campus flora.

Yes. Our college has small botanical garden. We are planning to develop botanical garden

19. Give the number and names of the medicinal plants in your college campus.

- Neem-20
- Tulasi-20
- Aloe-2
- Amla-2

20. Any threatened plant species planted/conserved?

Yes- Redwood trees-2No

21. Is there a nature club in your college? If yes what are their activities? no

22. Is there any arboretum in your college? If yes details of the trees planted.

No

23. Is there any fruit yielding plants in your college? If yes details of the trees planted.

- Jack fruit-2
- Star fruit-1
- Cherry fruit-2
- Mulberry-1
- Guava-2

24. Is there any groves in your college? If yes details of the trees planted. No

25. Is there any irrigation system in your college? No

26. What is the arboretum in the surrounding area of the college?Dry deciduous plants

27. What are the nature awareness programmes conducted in the campus?

- Plantation programme
- Clean and green programmes
- Swatch bharath programme
- Haritha haram program
- Ozone day awareness programme

28. What is the involvement of students in the green cover maintenance?
NSS volunteers, NCC cadets and other Students participated in various plantation activities. They cleaned the campus and remove plastic bottles stones, plastic covers and weedy plants from the campus

29. What is the total area of the campus under tree cover? Or under tree canopy? three acres

30. Share your IDEAS for further improvement of green cover.

- Activities such as Plantation programs and protecting plants should be done regularly
- Water preservation programmes should be done with active participation of students in regular intervals.

GARDEN

Flora of College


Degree
asivpet
Google
Medak, Telangana, India
Siddapur Rd, Telangana 502291, India
Lat N 17° 36' 15.9732"
Long E 77° 57' 16.6752"
25/06/21 04:10 PM

QR Codes for plants


SCAN ME

AUDITING FOR CARBON FOOTPRINT

1. What is the total strength of students and teachers in your College?

No. of Students No. of Teachers No. of Non-teaching staff Gents Ladies Total

Strength	Male	Female	Total
No of students	101	92	193
No of Teaching Staff	7	7	14
No of Non-Teaching staff	2	2	4

2. Total Number of vehicles used by the stakeholders of the college. (per day) 6

3. No. of cycles used 10

4. No. of two wheelers used (average distance travelled and quantity of fuel and amount used per day)

No. of two wheelers used 5, 10 kilometer, one litre,105 rupees per day

5. No. of cars used (average distance travelled and quantity of fuel and amount used per day)

Nil

6. No. of persons using common (public) transportation (average distance travelled and quantity of fuel and amount used per day)

60 students come by bus to college from nearby villages with bus pass

7. No. of persons using college conveyance by the students, non-teaching staff and teachers (average distance travelled and quantity of fuel and amount used per day)- NA

8. Number of parent-teacher meetings in a year? Parents turned up (approx.)

1

9. Number of visitors with vehicles per day? 8

10. Number of generators used per day (hours). Give the amount of fuel used per day. 1

11. Number of LPG cylinders used in the canteen (Give the amount of fuel used per day and amount spent). No

12. Quantity of kerosene used in the canteen/labs (Give the amount of fuel used per day and amount spent). No

13. Amount of taxi/auto charges paid and the amount of fuel used per month for the transportation of vegetables and other materials to canteen. No

14. Amount of taxi/auto charges paid per month for the transportation of office goods to the college. No

15. Average amount of taxi/auto charges paid per month by the stakeholders of the college. NA

16. Use of any other fossil fuels in the college (Give the amount of fuel used per day and amount spent).

Diesel used for generator, 1 litre appoxper day

17. Suggest the methods to reduce the quantity of use of fuel used by the stakeholders/students/teachers/non-teaching staff of the college.

-Using of fuel only when it is urgently needed

-paper less work, e-print, digitalisation of activities in institutions are being practiced to reduce fuel consumption in educational institutions.

18. Are the Rooms in Campus are Well Ventilated? Yes

19. Window Floor ratio of the Rooms. Good

Water management

SL NO	PARAMETERS	Response	Remarks
1	Source of water	Bore	
2	No. of Wells	Nil	
3	No. of motors used	01	
4	Horse power – Motor	1 HP	
5	Depth of well –Total	150 feet	
6	Water level	80 feet	
7	Number of water tanks	04	
8	Capacity of tank	@ 1500 lit	
9	Quantity of water pumped every day	3000 lit	
10	Any water wastage/why?	NO	
11	Water usage for gardening	Weekly twice	
12	Waste water sources	NO	
13	Use of waste water	To plants	
14	Faith of waste water from labs	Yes	
15	Whether waste water from labs mixed with ground water	NO	
16	Any treatment for lab water	Yes	
17	Whether any green chemistry method practiced in labs	Neutralisation	
18	No. of water coolers	Nil	
19	Rain water harvest available?	NO	
20	No. of units and amount of water harvested	Nil	
21	Any leaky taps	Nil	
22	Amount of water lost per day	Nil	
23	Any water management plan used?	Yes	
24	Any water saving techniques followed?	Yes	
25	Are there any signs reminding peoples to turn off the water?	Yes	

Results of water quality

Parameters	Bore Well water	Municipal Tap water	Standard value (BIS)
Dissolved Oxygen (mg/l)	7.3		6-8
Acidity (mg/l)	148		200
Alkalinity (mg/l)	80		200
Chloride (mg/l)	62		250
Hardness (Total)	215		200
Conductivity (µs)	635		
Ph.	6.84		6.5-8.5
Total Dissolved Solids (ppm)	754		500
Salinity (ppt)	--		
Total coliform	--		0
Fecal coliform	--		0

Water Quality analysis (Biological) report of college – II (with Photographic evidence)

S.No	Parameter/ WHO permissible level	Zooplankton (No of Samples/Sites) :1	Methodology
1	Protozoan (Ciliates)	Nil	Microscopic observation
2	Rotifers	Nil	Microscopic observation
3	Ostracods	Nil	Microscopic observation
4	Insect Larvae	Nil	Microscopic observation
5	Water Fleas	Nil	Microscopic observation
6	Bivalves	Nil	Microscopic observation
7	Snails	Nil	Microscopic observation
8	Mussels	Nil	Microscopic observation
9	Any Other (Specify)	----	----

Water Quality analysis (Biological) report of college – II (with Photographic evidence):

S.No	Phytoplanktons	Scientific Name and number per L	Methodology
1	Diatoms (Bacillariophyceae)	Nil	Microscopic observation
2	Dino flagellates (Dinophyceae)	Nil	Microscopic observation
3	Coccolithophores (Prymnesiophyceae)	Nil	Microscopic observation
4	Green algae (Chlorophyceae)	Nil	Microscopic observation
5	Cyanobacteria (earlier Blue-green algae)	Nil	Microscopic observation
6	Others (specify)	------	

1. ENERGY AUDIT

S.No	Electrical device/ items	Number	Power (W)/Unit	usage time (hr/day)
1	CFL	04	14	6
2	TUBE	65	38	6
3	LED BULB	10	9	16
4	PROJECTOR	04	280	1
5	FAN	42	60	6
6	COMPUTER	43	250	2
7	PRINTERS	04	60	1
8	PHOTOSTAT MACHINE	01	650	1
9	SCANNER	01	50	0.5
10	REFRIGERATOR	01	150	24
11	TABLE FAN	01	55	4
12	CCTV DVR	02	10	24

2. Waste management

Approximate quantity of waste generated per day (in kg)

Office				
Approx.	Biodegradable	Non -Biodegradable	Hazardous	Others
<1Kg	0.75kg	0.25kg	nil	
2-10Kg	-----	------	-----	
>10Kg	-----	-------	------	

Laboratories :				
Approx.	Biodegradable	Non - Biodegradable	Hazardous	Others
<1Kg	0.25 kg	0 kg	------	
2-10Kg	----	-----	----	
>10Kg	------	------	----	

Canteen/kitchen :NO				
Approx.	Biodegradable	Non - biodegradable	Hazardous	Others
<1Kg				
2-10Kg				
>10Kg				

How the waste generated in the college is managed?

A)Composting/ Vermicomposting	Yes/no (yes)	Remark
B)Recycling	-----	
C)Reusing	-----	
D)Other ways	----	

Waste generated in the college?

E-waste		10kgs Per annum
Hazardous waste		------
Solid waste		0.25kg
Dry leaves		0.75kg
Canteen waste		------
Liquid waste		1 liter per day
Glass		-----
Unused Equipment		2
Napkins		-------
Others (specify)		----

Do you use recycled paper in college?	Yes
Any waste management methods used?	Composting

Faunal diversity in college campus (with Photographic evidence)

Faunal group	Scientific name	Number (If enumeration is done)	Seasonality
Spiders	Aranea	15	All seasons
Moths & butterflies 1. Lemon butterfly 2. Monarch butterfly 3. Comma butterfly 4. White butterfly	 Papilio demoleus Danaini Polygonia calbum pieris	 25 10 5 8	Rainy season
Other insects: (Dragon Flies, Bumble bee Honey bee Wasps, Red cotton Bug Masked hunter bug Lady bird Beetle Orange blister beetle	 Anax Bombus Apis mellifera Vespa Dysdercus Reduvius Coccinella	 150 15 200 10 5 10 15 5	Rainy season
Annelids 1. Earth worm	 Pheritima	 50	Rainy season
Other Arthropods 1. Locust 2. House fly	 Schistocerca Musca domestica	 70 300	Rainy season
Amphibians 1. Frog	 Rana tigrina	 9	Rainy season
Reptiles 1. Krait 2. Cobra 3. Russel's viper 4. Green snake	 Bungarus Naja Vipera russelli Opheodrys	 2 3 2 2	All seasons
Birds 1. Crow 2. House sparrow 3. Heron 4. Koel	 Carvus Passer domesticus Ardea alba Eudynamis	 10 50 20 2	All seasons
Mammals 1. Squirrel	 Funambulus	 8	All seasons

Air quality Determination:
Air Quality Index (parameters studied/recorded/ Seasonal):

NO_2	11.92ppb
NO	--
O_3	6.52 ppb
PM2.5	4.66 ug/m3
PM10	12.91 ug/m3
CO	190 ppb
Humidity	89%
Barometric Pressure	950 hpa
Wind Speed	21 km/h
Wind Direction	West to east

Measurements of Noise level in and around the college

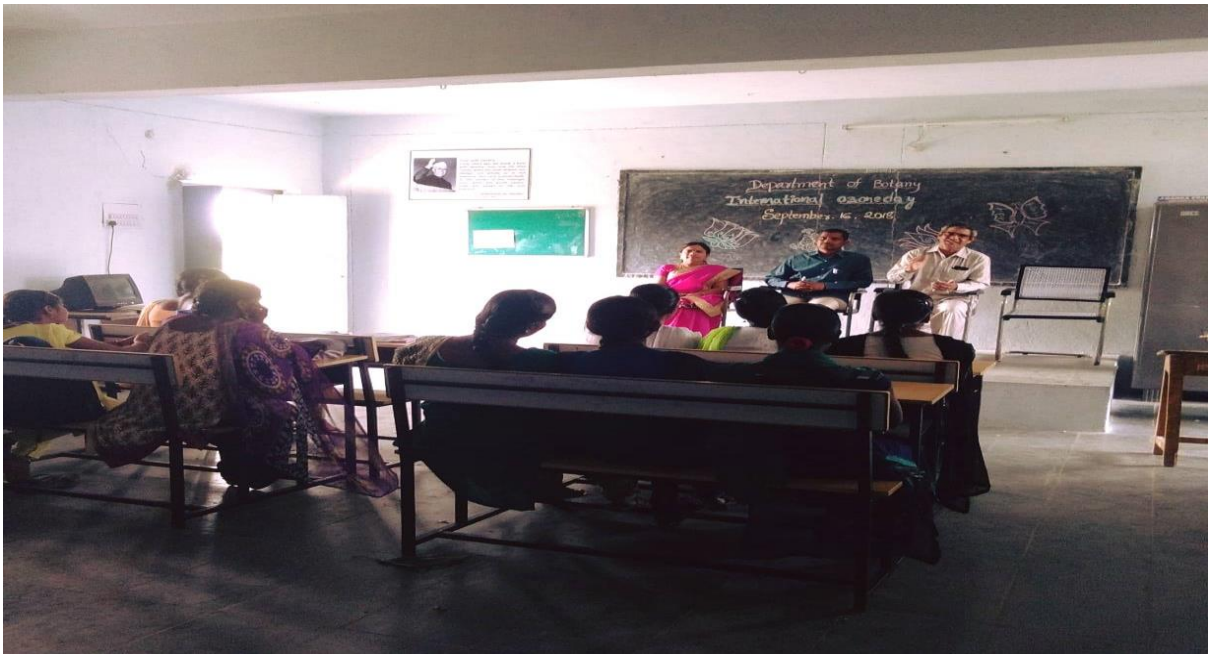
S.No	place (S)	Measurements (Duration in seconds)	Minimum (dBA)	Maximum (dBA)	Average (dBA)
1	Library	60	41.2	72.6	56.9
2	Canteen	-	-	-	-
3	Play ground	60	44.6	88.6	66.6
4	Auditorium	-	-	-	-
5	Science Block	60	39.6	62.8	51.2
6	Any Other (Specify)	-	-	-	

Eco-Club activities

Plantation of saplings on the occasion of Vana Mahotsav day performed in the college. Every fourth Saturday Haritha haram programme will be performed. In this programme pouring water to the saplings and removing weeds in and around plants and saplings to maintain greenery in the college. Rallies also took in around the college and the Siddapur village to provide awareness among the people to 'plant trees and save trees'. Ozone Day celebrated in the college on September 16. Program organised by NSS and NCC program officers. speakers in the meeting gave inputs about the depletion of ozone layer. Instructed the students to use bikes only if necessary. Emission of carbon monoxide from the vehicles cause lot of pollution. They also advised the students to purchase electronic two wheelers in future. National Science Day celebrated on 28 February. This day recalls the notable invention Raman effect by India's greatest scientist CV Raman. Theme of the Science Day of 2021 'Future of STI' impacts on education skills and work.The National Science Day 2021 aim to motivate the students to gain hands on experience in the field of science. National Forest Day celebrated on March 21. In this program gave awareness among the students about the importance of all types of forests and trees outside forests, for the benefit of current and future generations. Water day organised on March 22nd by taking action to tackle water crisis. World Water Day 2021 focused on the theme, valuing water'. This focus will extend beyond issues of pricing to include the environmental, social and cultural value people place on water.

Ozone day


GOVERNMENT DEGREE COLLEGE
SADASIVPET
16-09-2019
WORLD OZONE DAY


Department of Botany
International ozoneday

Harithaharam

Harithaharam programme &Rally in GDC sadasivpet, Sangareddy Dt on 25-08-2018 Ist part


SERVICE SCHEME
AHOTSAVAM
GOVT. DEG
COLLEGE, SADASIVPET

National Science Day

World Water Day

WORLD FOREST DAY

Botany medical plantation (06-09-2019)

GRADING FOR ENVIRONMENTAL AUDIT REPORT

S.NO	COMPONENTS FOR ASSESSMENT	MARKS	GRADES
1	Energy audit	**20**	**A+ : 91-100**
2	Waste audit	**15**	
3	Water audit	**15**	**A : 81-90**
4	Landscape or Environment audit	**15**	**B+ : 71-80**
5	Carbon footprint & Oxygen emission audit	**15**	
6	Green activities (conduction of seminars/conferences/workshops/student competitions/awareness programmes/observation of environmental related days etc.	**10**	**B : 61-70** **C : 51 - 60**
7	Student clubs (Environmental club/Green club/Nature club/Biodiversity club/ ECO Club/Friends and Fauna Club/Science club etc.) activity annual report	**10**	
	Total	**100**	