

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

**College Profile:**

Name of the College: GOVERNMENT DEGREE COLLEGE, BHUPALPALLY.  
Address : GDC, Bhupalpally, Behind Bhupalpally Bus Depot, 506169.  
Contact Info : S. Syam Prasad Sura, Principal. Phn : 9849944485.  
Campus Area:  
Built-up Area : 25,000 Sq.Ft.

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	206	254	460
No of Teaching Staff	10	05	15
No of Non-Teaching staff	02	02	04

**Physical Structure**

The available land of the college: \_3\_ acres and \_16\_ Guntas.  
The built-up area of the college: 25,000 Sq.Ft.

No. of Class Rooms	10
No. of Laboratories	05
No. of Conference halls	01
Library Halls	01
Auditorium	0
Canteen	0
Any other (please specify)	



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Principal  
Government Degree College, Bhupalpally  
Dist. Jayashankar, Telangana

<b>Objectives :</b>	. To Protect the Environment . To minimise the water, energy resources . To reduce the waste.
<b>Prepared by:</b>	Dr. P. Gowri IQAC, Co – Ordinator GDC, Bhupalpally
<b>Approved by:</b>	Dr. S. Syam Prasad Principal GDC. Bhupalpally
<b>Remarks</b>	

### Introduction:

The concept of eco campus is implemented in all educational institutions by CCE Hyderabad. Green Auditing helps to find out the impact of the environment on educational institution and also to find out the solutions for converting the educational institution into eco campus.

This is the first attempt to conduct green auditing of this college campus.

Questionnaire survey and discussions were conducted to know about the existing resources of the campus and resource consumption by the stakeholders of the college.

GDC, Bhupalpally is one of the Higher Educational Institutions established in Telangana State in 2008. The college has 446 students, 05 Regular faculty, 03 Contract faculty, 07 Guest faculty. The institution is run under the efficient leadership of the Principal, Sri. S. Syam Prasad. The college is still under construction with RUSA funds.

The fundamental aim of the college is to impart good education and skills for the all round development of students. The students are involved in various co-curricular activities like Haritha haaram, Swach Bharat, celebrating the World Environmental Day, Ozone day, World Water Day, Science day etc., These activities develop awareness about the importance of environment and its impact on public health in students.



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 Govt. Degree College, Bhupalpally  
 Date: 10/11/2018

### General Objectives:

The main objective of the green audit is to assess the environmental quality and the management strategies being implemented in the college.

The objectives are:

1. To assess the quality of water and soil in the college
2. To monitor the energy consumption of the college
3. To quantify the liquid and solid waste generated in the college
4. To assess the carbon foot print of the college
5. To identify the gap areas and suggest recommendation to improve the green campus at the college

### Internal Audit Team:

Principal – Dr. Syam Prasad Sura (Chairman)

IQAC Coordinator – Dr. P.Gowri (Vice Chairman)

Principal of Neighboring College – Sri. P. Srinivas

Principal [FAC]

Mahadevpur.

Coordinator – Dr.D.Sandhya

Members – 1. Smt.E.Kavitha

2. B.Sandhyarani

3. M. Hymavathi

**Questionnaire:** this is used for acquiring basic information related to different categories to be covered in an institution.

### AUDITING FOR WATER MANAGEMENT

1. List out uses of water in your college.



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Govt. Degree College, Bhooch, Jayashankar Dist. 506169  
Karnataka

- Drinking, Rest rooms, Construction
2. What are the sources of water in your college?
    - Bore wells
  3. How many wells are there in your college?
    - Two
  4. No. of motors used for pumping water from each well?
    - Two
  5. What is the total horse power of each motor?
    - 5HP, 7 HP
  6. What is the depth of each well?
    - 400 Ft, 430 Ft
  7. What is the present depth of water in each well?
    - 430 Ft
  8. How does your college store water?
    - Over Head Tanks – 3 , Sump – 20000 Litres Capacity under Construction
  9. Quantity of water stored in your overhead water tank? (In liters)
    - 1000 Litres
  10. Quantity of water pumped every day? (In liters)
    - 2000 Litres
  11. If there is water wastage, specify why.
    - Nil
  12. How can the wastage be prevented / stopped?
    - Nil
  13. Locate the point of entry of water and point of exit of waste water in your College.



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Govt. Degree College, Bhupathallu,  
Dist. Bapatla, Andhra Pradesh - 506189



- Entry point : Bore well ; Exit point : Drainage

14. Where does waste water come from?

- Wash rooms

15. Where does the waste water go?

- Drainage

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

- Nil

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

- Labs not established.

18. Is there any treatment for the lab water?

- No

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

- No

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

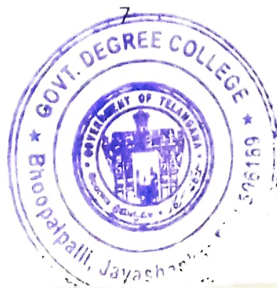
- Preventing the leakage of taps and correcting them immediately.
- Preventing the leakage of over head tanks
- Closing the taps when they are not in use; using Automatic flesh control taps in wash rooms.
- Preventing the over watering of the garden.
- A team of staff numbers should monitor the wastage of water in the college.
- Conducting awareness programmes to students on water conservation in the college.



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21. Record water use from the college water meter for six months.
  - Planning to record.
22. Bimonthly water charges paid to water connections if any
  - No
23. No. of water coolers. Amount of water used per day? (in liters)
  - Nil
24. No. of water taps. Amount of water used per day?
  - 45 water taps, 1000 litres approximately.
25. No. of bath rooms in staff rooms, common, hostels. Amount of water used per day?
  - Still under construction
26. No. of toilet, urinals. Amount of water used per day?
  - 14 Toilets, 14 Urinals: 200 ;itres
27. No. of water taps in the canteen. Amount of water used per day?
  - No
28. Amount of water used per day for garden use.
  - 50 Litres
29. No. of water taps in laboratories. Amount of water used per day in each lab?



*[Signature]*  
**PRINCIPAL**  
 Govt. Degree College, Bhupadpalli,  
 Jayashankar Bhupadpalli 506103

- Labs not in use

30. Total use of water in each hostel?

- Under Construction

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.

32. Is there any water used for agricultural purposes?

- Nil

33. Does your college harvest rain water?

- Under Construction

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

- 1

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

- Yes.

37. Is there any waterless toilets?

- No

38. How many water fountains are there?

- No

39. How many water fountains are leaky?

- No

40. Is drip irrigation used to water plants outside?

- NO

41. How often is the garden watered?



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 P. S. S. P. S. S.  
 Govt. Degree College, Bhopadpalhi,  
 Dist. Jayashankar District, 506169

- Daily once

42. Quantity of water used to watering the ground?

- Nil

43. Quantity of water used for bus cleaning?

- Nil

44. Amount of water for other uses?

- Nil

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

- 

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

- No

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

- Planning to display water boards for saving water in the college

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

- Automatic flush controls in wash rooms.
- Construction of water harvesting pits for storing rain water.

#### AUDITING FOR ENERGY MANAGEMENT:

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

- Electricity

- Electricity bill amount for the last year .

- 11884 /-

- Amount paid for LPG cylinders for last one year -

- Nil



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Principal  
Govt. Degree College, Bhoadpalli  
Javashankar Diet SMC 169

- Weight of firewood used per month and amount of money spent? Also mention the amount spent for petrol/diesel/ others for generators?
  - Nil
- Are there any energy saving methods employed in your college? If yes, please specify. If no, suggest some.
  - LED bulbs and power saving fans.
- 6. How much money does your college spend on energy such as electricity, gas, firewood, etc. in a month?
- 7. How many CFL bulbs has your college installed? Mention use (Hours used/day for how many days in a month)
- 8. Energy used by each bulb per month? (For example- 60 watt bulb x 4hours x number of bulbs = Kwh).
  - Nil.
- 9. How many LED bulbs are used in your college? Mention the use (Hours used/day for how many days in a month)
  - Nil.
- 10. Energy used by each bulb per month? (kWh).
  - Nil.
- 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)
  - 10 hrs/day 28days/month.
- 14. Energy used by each fan per month? (kWh).



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- 419400 watts

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)

- 06

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

- 875000 watts

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

- 02

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

- Nil.

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

- Nil.



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Principal  
Govt. Degree College  
Bhoadepalli, Jayashankar Dist. 576169

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)

- 9000 watts – 25 days

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

- 01 – on emergency

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?

- Nil.

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

- Nil.

32. No of TV in your college and hostels?

- Hostels are under construction

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

- Nil.

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)



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

Students – 446, Teachers – 12 , Non teaching -06

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

Strength	Male	Female	Total
No of students	206	254	460
No of Teaching Staff	10	05	15
No of Non-Teaching staff	02	02	04

Which of the following are available in your College?

Give area occupied, Garden area and Garbage dump (number)

Playground area, Laboratory, Kitchen, Canteen, Toilets (number) Car/scooter shed area

- Garden area : 10 % ;
- Playground area: 20%

Number of class rooms, Office rooms and others (specify)

- Class rooms : 14 ;
- Office rooms : 01 ;
- Staff rooms : 02

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

Garbage heap

Public convenience Sewer line

Stagnant water

Open drainage Industry – (Mention the type)



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Principal  
Govt. Degree College, Bhadohpali,  
Jayashankar Dist. 506169

Bus / Railway station Market / shopping complex / public halls

Bus - 2

## WASTE

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

- Paper , tea cups

How much quantity?

- $\frac{1}{2}$  kg per month

Number or weight E-waste Hazardous waste (toxic)

- Solid waste - Nil

Dry leaves – Converted into Organic waste naturally

- Canteen waste - Nil
- Liquid waste - Nil
- Glass - Nil
- Unused equipment - Nil
- Medical waste if any – Nil
- Napkins Others (Specify)

Is there any waste treatment system in the college? –

- Nil

Is there any treatment for toilet/urinal/sanitary napkin waste? –

- Nil

1 What is the approximate quantity of waste generated per day?

- (in Kilograms) Office Laboratories Canteen/kitchen

2 Why waste is a problem?

- It pollutes land , water and air



6/8



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 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? –

- Two

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

- Green and Blue

7. Do you use recycled paper in College? –

- No

8. Is there any waste wealth program practiced in the college?

- Nil

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.

By conducting awareness programmes

10 Can you achieve zero garbage in your college? (Reduce, Recycle, Reuse, Refuse) If yes, how?



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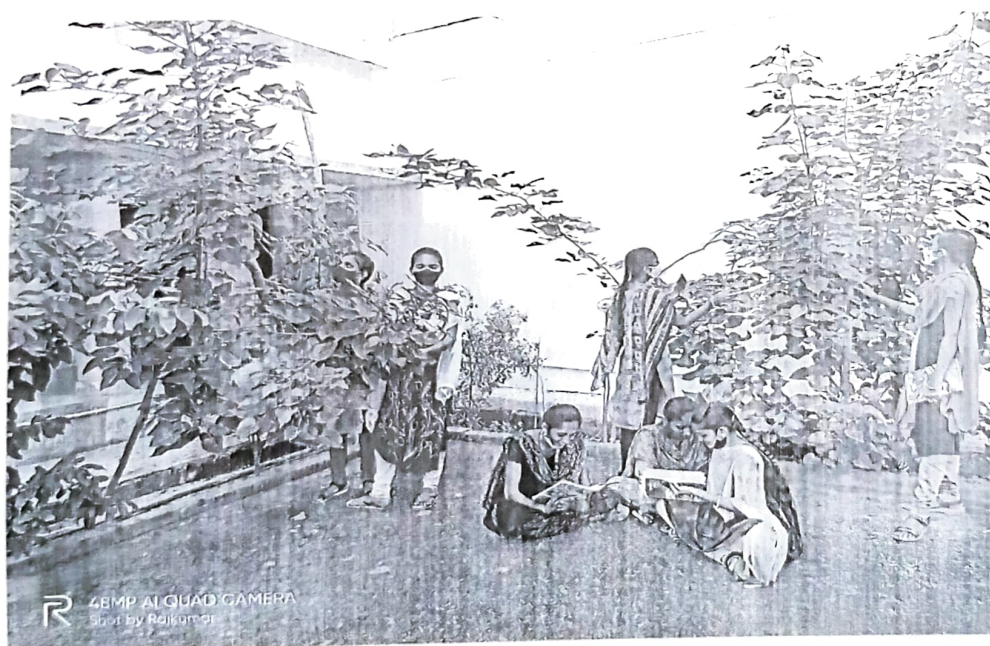
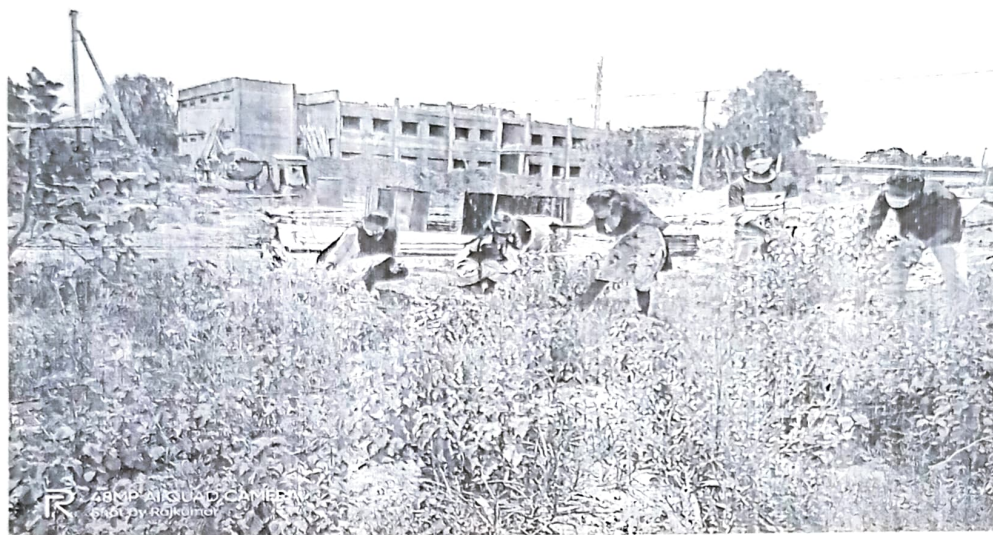
## AUDITING FOR GREEN CAMPUS MANAGEMENT

1. Is there a garden in your college? Area?

- Yes

2. Do students spend time in the garden?

- Yes.



9/8

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

SUBMISSION OF DATA ON SURVIVING PLANTS								
SL.NO	District	Name of the College	Name of the Plant	Common Name	Year 2019-20		Year 2020-21	
					Planted Number	Survived Number	Planted Number	Survived Number
1	Bhupalpally	Government Model Degree College	Psidium guajava	Guava	5	3	10	3
2	Bhupalpally	Government Model Degree College	Pongamia	Kanuga	8	2	6	5
3	Bhupalpally	Government Model Degree College	Phyllanthus	Vusiri	4	1	4	1
4	Bhupalpally	Government Model Degree College	Syzygium	Allaneredu	5	2	5	3
5	Bhupalpally	Government Model Degree College	Lausonia	Mydhaku	3	2	3	1
6	Bhupalpally	Government Model Degree College	Annona reticulata	Seethaphal	3	1	6	1
7	Bhupalpally	Government Model Degree College	Punica granatum	Dhanimma	5	2	5	3
8	Bhupalpally	Government Model Degree College	Terminalia arjuna	Maddhi	5	1	3	1
9	Bhupalpally	Government Model Degree College	Aegle marmelos	Maredu	3	0	3	1
10	Bhupalpally	Government Model Degree College	Biophytum sensitivun	Pulichintha	4	1	5	1
11	Bhupalpally	Government Model Degree College	Azadirachta Indica	Neem tree	5	2	10	8
				TOTAL	50	17	60	28



6/12/21  
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 Govt. Degree College, Bhupalpally  
 Dist. Jayashankar, Kothur, SDC-163



4. Suggest plants for your campus.
  - (Trees, vegetables, herbs, etc.)
5. List the species planted by the students, with numbers.-
  - See. Annexure I (page 27)
6. Whether you have displayed scientific names of the trees in the campus?
  - Yes
7. Is there any plantations in your campus? If yes specify area and type of plantation.
  - Yes
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
10. What are the vegetables cultivated in your vegetable garden? (Mention the quantity of harvest in each season) –
  - No
11. How much water is used in the vegetable garden and other gardens? (Mention the source and quantity of water used). –
  - No
12. Who is in charge of gardens in your college?
  - No
13. Are you using any type of recycled water in your garden?
  - No
14. List the name and quantity of pesticides and fertilizers used in your gardens?
  - No
15. Whether you are doing organic farming in your college? How?



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- No

16. Do you have any composting pit in your college? If yes, what are you doing with the compost generated?

- Planning to construct compost pit

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.

- No.

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

- No

20. Any threatened plant species planted/conserved? –

- No

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. – Guava, Pomegranate , Custard Apple

24. Is there any groves in your college? If yes details of the trees planted.

- Nil

25. Is there any irrigation system in your college?

- Nil

26. What is the type of vegetation in the surrounding area of the college?

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

- Harithaharam, Swach Bharat.



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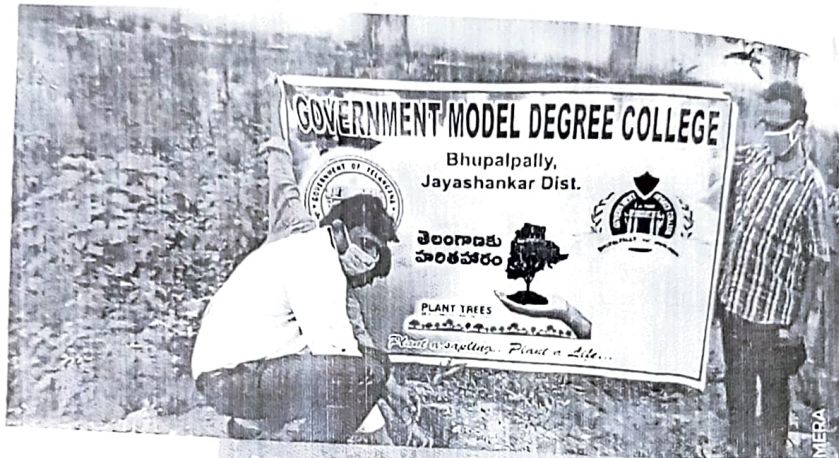


20

HARITHA HARAM PROGRAMME





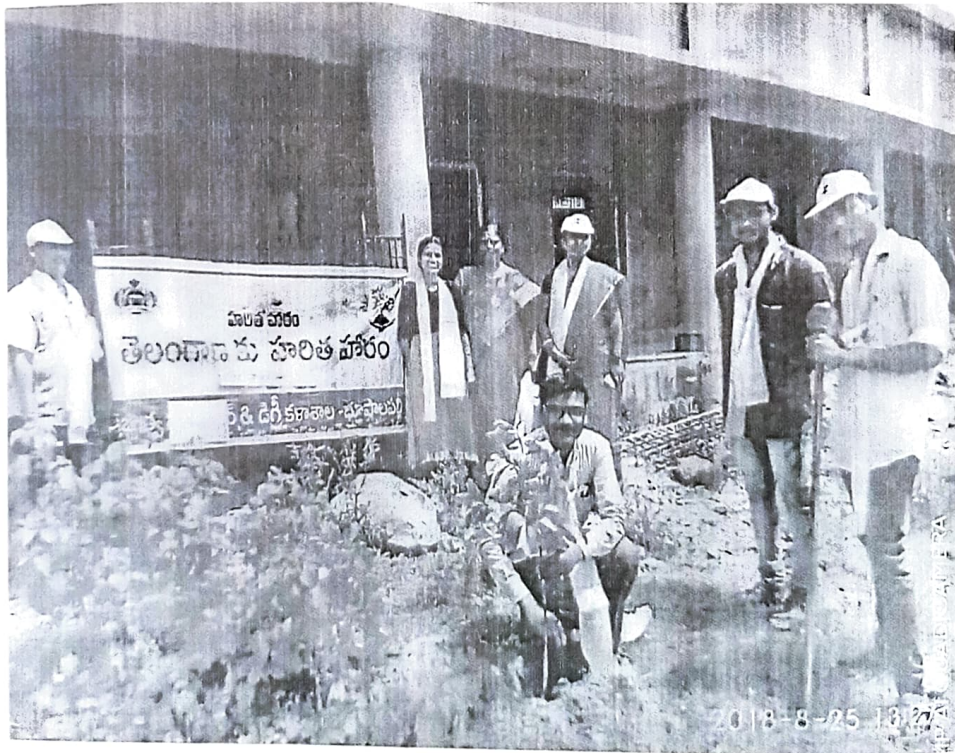


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Bhupalpally  
Telangana  
India

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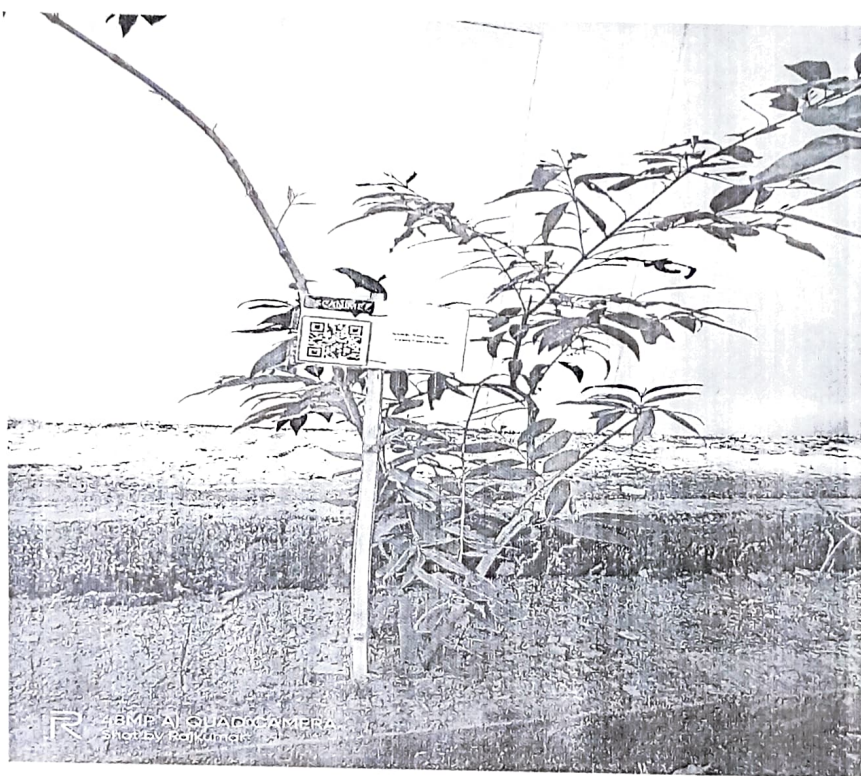
# SWATCH BHARATH PROGRAMME



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The Principal,  
Govt. Degree College,  
Bhoopalpalli.

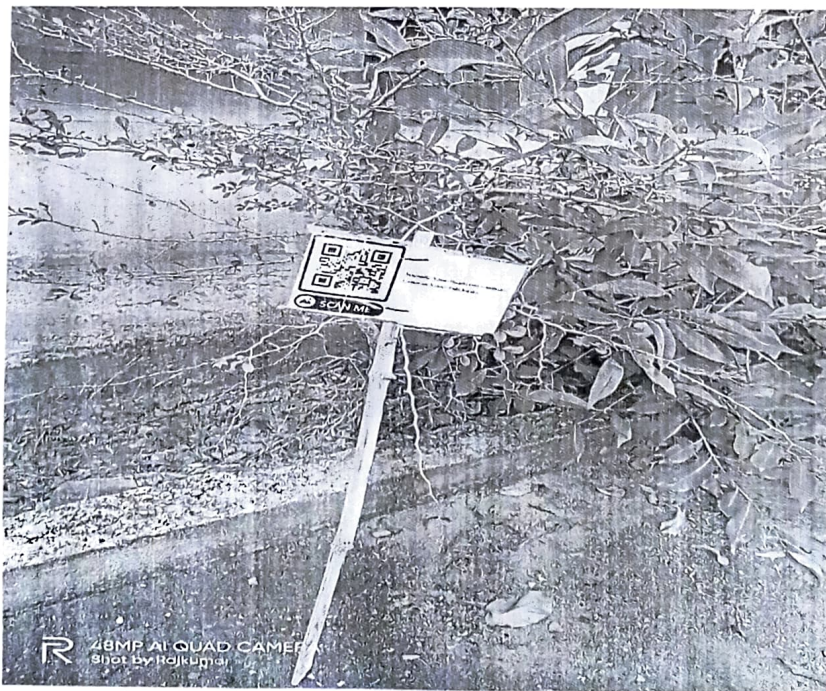


## GEO TAGGING OF PLANTS



6/5-2  
Principal  
Govt. Degree College, Bhooapaballi  
Dist. Jayashankar, Telangana 506169





*Principal*  
Principal  
Govt. Degree College, Bhoopepalli  
Dist. Jayashankar Bhupala, Dist. 506169



See. Annexure II (page no 28 to 30)

28. What is the involvement of students in the green cover maintenance?

- Plantation programs

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

- 15 %

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

## 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	206	254	460
No of Teaching Staff	10	05	15
No of Non-Teaching staff	02	02	04

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

- . Most of the students stay in hostels. They come by walk
- . Faculty use public transport

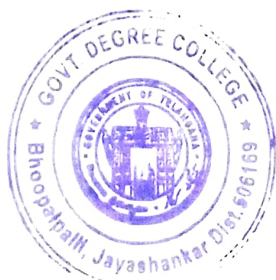
3. No. of cycles used ?

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

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

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

18 persons : 150 kms each : Amount 150 rs



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) -

- Nil

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

- Planning to conduct

9. Number of visitors with vehicles per day?

- NIL.

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

- Nil.

17. Number of LPG cylinders used in the canteen (Give the amount of fuel used per day and amount spent).

- NIL

18. Quantity of kerosene used in the canteen/labs (Give the amount of fuel used per day and amount spent).

- NIL

19. Amount of taxi/auto charges paid and the amount of fuel used per month for the transportation of vegetables and other materials to canteen.

- Nil.

20. Amount of taxi/auto charges paid per month for the transportation of office goods to the college.

- NIL

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

- Nil.

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

- NIL



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Principal, Govt. Degree College, Bhoopalpalli, Jayashankar NTR District, 596169

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

- Nil.

24. Are the Rooms in Campus are Well Ventilated?

- Yes

25. Window Floor ratio of the Rooms Good/Not Enough :

- Good.

### 1. Water management

SL NO	PARAMETERS	Response	Remarks
1	Source of water	Bore wells	
2	No. of Wells	2	
3	No. of motors used	2	
4	Horse power – Motor	5HP & 7HP	
5	Depth of well –Total	400 ft & 430ft	
6	Water level		
7	Number of water tanks	3	
8	Capacity of tank	1000 ltrs	
9	Quantity of water pumped every day	2000 ltrs	
10	Any water wastage/why?	50 ltrs	
11	Water usage for gardening	50 ltrs	
12	Waste water sources	Restrooms	
13	Use of waste water	No	
14	Faith of waste water from labs	No	
15	Whether waste water from labs mixed with ground water	No	
16	Any treatment for lab water	No	
17	Whether any green chemistry method practiced in labs	No	
18	No. of water coolers	No	



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 Govt. Degree College, Bhopalpalli,  
 Dist. Jayashankar Bhimavaram-506169

19	Rain water harvest available?	No	
20	No. of units and amount of water harvested	No	
21	Any leaky taps	No	
22	Amount of water lost per day	Nil	
23	Any water management plan used?	Nil	
24	Any water saving techniques followed?	Nil	
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)	---	--	6-8
Acidity (mg/l)	---	--	200
Alkalinity (mg/l)	Nil	--	200
Chloride (mg/l)	140	--	250
Hardness (Total)	300	--	200
Conductivity ( $\mu$ s)	---	--	
Ph.	7.5	--	6.5-8.5
Total Dissolved Solids (ppm)	708	--	500
Salinity (ppt)	---	--	
Total coliform	---	--	0
Fecal coliform	---	--	0



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 Dr. B. S. G. ...  
 ... Jayashankar ...

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

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

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

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



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Date: 12/05/2023  
Place: Bhadrachalam, Jayashankar Dist. 506199



### Energy Audit

Room No. / name	Electrical device/ items	Number	Power	usage time (hr/day)
01	Fans	05	300 w	7 hrs. – 25 days
	Tube lights	03	114 w	7 hrs. – 25 days
	Projector	01	280 w	2 hrs. – 5 days
02	Fans	05	300 w	7 hrs. – 25 days
	Tube lights	04	152 w	7 hrs. – 25 days
03	Fans	04	260 w	7 hrs. – 25 days
	Tube lights	04	152 w	7 hrs. – 25 days
04	Fans	04	260 w	7 hrs. – 25 days
	Tube lights	04	152 w	7 hrs. – 25 days
05	Fans	03	180 w	7 hrs. – 25 days
	Tube lights	04	152 w	7 hrs. – 25 days
06	Fans	04	260 w	7 hrs. – 25 days
	Tube lights	04	152 w	7 hrs. – 25 days
07	Fans	04	260 w	7 hrs. – 25 days
	Tube lights	04	152 w	7 hrs. – 25 days
Virtual Room	Fans	05	300 w	7 hrs. – 25 days
	Tube lights	05	190 w	7 hrs. – 25 days
	projector	01	280 w	2 hrs. – 5 days
Principal & Staff Room	Fans	06	360 w	7 hrs. – 25 days
	Tube lights	05	190 w	7 hrs. – 25 days
	Computers	04	1000 w	7 hrs. – 25 days
	Printers	02	120 w	2 hrs. – 25 days
Examination Branch	Fans	01	60 w	7hrs. – 25 days
	Tube lights	02	76 w	7hrs. – 25 days
	Computers	02	500 w	7hrs. – 25 days
	Printers	01	60 w	3 hrs – 25 days



  
 Principal  
 Govt. Degree College, Bhadohi  
 Dist. Jayashankar Bhupatkar

1. Waste management

Approximate quantity of waste generated per day (in kg)

<i>Office</i>				
Approx.	Biodegradable	Non -Biodegradable	Hazardous	Others
<1Kg				
2-10Kg				
>10Kg				

<i>Laboratories</i>				
Approx.	Biodegradable	Non -Biodegradable	Hazardous	Others
<1Kg				
2-10Kg				
>10Kg				

<i>Canteen/kitchen</i>				
Approx.	Biodegradable	Non -biodegradable	Hazardous	Others
<1Kg				
2-10Kg				
>10Kg				

How the waste generated in the college is managed?

A)Composting/ Vermicomposting	Yes/ No	Remark
B)Recycling		
C)Reusing		
D)Other ways		



*[Handwritten signature]*  
 Date: \_\_\_\_\_  
 By: \_\_\_\_\_  
 (Name of the person responsible for waste management)

### Waste generated in the college?

E-waste		
Hazardous waste		
Solid waste		
Dry leaves		
Canteen waste		
Liquid waste		
Glass		
Unused Equipment		
Napkins		
Others (specify)		

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

### Faunal diversity in college campus (with Photographic evidence)

Faunal group	Scientific name	Number (If enumeration is done)	Seasonality
Spiders			
Moths & butterflies			
Other insects: (Dragon Flies, Bees, Wasps, Bugs, and Beetles etc..)			
Annelids			
Other Arthropods			
Amphibians			
Reptiles			
Birds			
Mammals			
Any other (specify)			



*[Handwritten signature]*  
 126/1, Jayashankar (Dist. 506189)  
 Dist. Jayashankar (Dist. 506189)

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

NO <sub>2</sub>	45.62 µg/m <sup>3</sup>
NO	----
O <sub>3</sub>	36.31 µg/m <sup>3</sup>
PM2.5	53.6 µg/m <sup>3</sup>
PM10	90.2 µg/m <sup>3</sup>
CO	720.0 µg/m <sup>3</sup>
Humidity	74.0%
Barometric Pressure	1013.0 hPa
Wind Speed	2.57 m/s
Wind Direction	163.0
Sun Rise	06:20am
Sun Set	5:32pm

**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				
2	Canteen				
3	Play ground				
4	Auditorium				
5	Science Block				
6	Any Other (Specify)				



*[Handwritten signature]*  
 Date: \_\_\_\_\_  
 Place: \_\_\_\_\_

# MANAGEMENT OF RESOURCES IN THE COLLEGE CAMPUS

## 1 WATER MANAGEMENT

The sources of water used in the college are two bore wells. These wells are recharged with ground water.

Water used for construction work enters into the ground water table; thereby increasing the ground water level.

Water leakage is checked every day.

## 2. ENERGY MANAGEMENT

Energy conservation is an important aspect of the college. The following methods are followed to minimize the energy usage:

1. Lights and fans are switched off when not in use
2. Shutting down computers and unplugging the chargers everyday
3. Solar energy plates will be installed by RUSA.

## 3. WASTE MANAGEMENT

Waste management is another important aspect of the college which when neglected causes damage to the environment and public health.

Construction waste is removed by the labor everyday and transported to the municipal vans. This reduces the dumping of waste on landfills and reduces the air pollution.

Paper waste and food waste is dumped into pits and converted into organic waste.

## 4. GREEN CAMPUS MANAGEMENT

Trees play an important role in removing carbon dioxide from the environment. There are so many trees in the college campus which clean the air and provide oxygen to the people in the campus.

### Carbon Footprint management

Emissions from vehicles are the important source of carbon in the campus.

The faculty and students use public transport.

Students who stay in hostels come by walk.

If any eco-friendly or restoration activities conducted, please specify.



*[Handwritten signature]*  
Principal  
Govt. Degree College, Bhootipalli  
Jayashankar Nellore District



### 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	
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+ : 71-80
7	Student clubs (Environmental club/Green club/Nature club/Biodiversity club/ ECO Club/Friends and Fauna Club/Science club etc.) activity annual report	10	B : 61-70
	<b>Total</b>	<b>100</b>	C : 51 - 60



for Commissioner of Collegiate Education