



**GOVERNMENT DEGREE COLLEGE FOR
WOMEN-KARIMNAGAR**

**GREEN AUDIT
REPORT
2021**

SUBMITTED TO:

**COMMISSIONERATE OF
COLLEGIATE EDUCATION -
HYDERABAD**



**THE ROYAL ROAD OF SUCCESS!
A TRADITION OF EXCELLENCE!!**

Government Degree College for Women Karimnagar is a prestigious college established in 1973 stretching in an area of 9.2 acres which is elevated as MODEL WOMEN'S DEGREE COLLEGE. With strength of 2041 students the college is flourishing in all aspects. The campus is ensheathed by greenery which provides beautiful home of biodiversity. Impressed by the maintenance of greenery and energy our college has been awarded by ISO as the best environmental management system, energy management system, hygiene and safety practices at campus.

By maintaining the greenery at the campus we are maintaining the ecological diversity and adapted so many best practices at college level.

- Water is PRICELESS....
Save this TREASURE
With PLEASURE!!

Life depends on water and water conservation depends on us. Hence, we established 6 rain harvesting pits to conserve the rain water as every drop of water is precious. To avoid the overflow of overhead tank we have provided the alarm which warns us about the overflow.

- Nothing on this land should go waste. We have managed the problem of dead and dried leaves by converting the leaf litter into a nutrient rich manure.
- In order to enhance the beauty of the campus it has to be kept clean forever. For that, dustbins are established for the solid waste management.
- Some medicinal and rare plants are being protected in a greenhouse established in the botanical garden.
- Not only the staff and students in the campus, every plant has its own IDENTITY CARD in the form of QR CODE.
- THE FRIENDLY TREE
I've found a place beside a friendly tree,
Where I'll hide my face when the world hurts me,
For the tree will never hurt I shall love it to the end;

It shall have a dear dear name:

“My true and silent friend”.

Yes! we have a number of true and silent friends which altogether stand beside us as GREENERY!!

- With a concept of BEST FROM WASTE and also to give the equal chance of survival we have provided the bird feeders in the campus.

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

College Profile

Name of the College: Government Degree College for Women, Karimnagar

Address: Kashmir gadda, Fire station road, Karimnagar

Contact Info: **9393771510**

Campus Area: **9.2 Acres**

Built-up Area: **6.27 acres (273121.2 Sq.Ft)**

Is the building having ventilators for natural air flow in all rooms: Yes/No: Yes

The student and faculty strength of the college:

Strength	Male	Female	Total
No of students	0	2041	2041
No of Teaching Staff	12	32	44
No of Non-Teaching staff	07	13	20

Physical Structure

The available land of the college: **9.5 acres** and 0 Guntas.

The built-up area of the college: **273121.2 Sq.Ft**

No. of Class Rooms	37
No. of Laboratories	18
No. of Conference halls	01
Library Halls	01
Auditorium	01
Canteen	01
Any other (please specify)	1. Ladies Hostel (300 inmates) 2. Play grounds 3. Virtual Classroom - 01

Objectives:	<p>To have complete understanding on</p> <ul style="list-style-type: none"> • the green cover of the campus • Energy conservation and • Water resource management <p>To minimize the wastage of resources in all forms.</p> <p>To inculcate environmental consciousness among students</p> <p>To enrich the flora and fauna of the campus.</p>
Prepared by:	<p>Internal Environmental Audit Team</p> <p style="text-align: right;"><i>[Signature]</i> PRINCIPAL GRI, Chik. Degree & P.G. College, KARIMNAGAR.</p>
Approved by: External Audit Team	<p>Dr k. Ramakrishna, principal, SRR GASC, Karimnagar</p> <p><i>the above verified green audit report was conducted by college staff and is verified</i></p> <p>Sri Mahesh, Environmental scientist, NTPC <i>[Signature]</i> (A.S., TSPCB, RO-RGM) 08/10/21</p> <p>Sri G. Srinivas Reddy, FRO, Karimnagar <i>[Signature]</i> G. Srinivas Reddy Forest Range Officer Karimnagar.</p>
FORMS AND SUPPORT MATERIAL	
Questionnaire Document ref. name/no.:	Enclosed
Checklist for Environmental Audit Document ref. name/no.:	Enclosed
Additional forms and support material:	Enclosed

Background: The history of an Institution / Organization, including information on the setting and construction plan, environmental practices, known environmental issues from the site and neighbours, previous environmental damage/spill at the site and monitoring records. Any changes made or occurred up to the time of the last audit and future plans for the development. The natural resources used as input, processing of materials and all finished products (energy, water, raw material use) and wastes including hazardous and toxic wastes.

General Objectives (can be slightly modified according to need of an Institution)

- Environmental risk assessment including compliance to regulations, soil, Water, solid and E-wastes, emissions, hazardous products & noise pollution.
- Waste minimization and environmental pollution control plans.
- The optimal utilization of energy, water and other natural resources.
- Recycling programs and product life cycle considerations.
- Emergency response plans and procedures.

Protocols used for Environmental Audit

Internal Audit Team Structure: (7+2=9): It comprises Principal as Chairman, IQAC coordinator as Vice-Chairman, Principal of the neighboring college as special invitee, one coordinator from faculty of Botany/Zoology/ Environmental Science and three other members from any faculty interested in environment related activities. College can include two extra invitee members from Forest Department / Pollution control board / Health Department/ etc.

Committee

Chairman: Dr. T. Sreelaxmi, principal, GDC for Women Karimnagar

Vice-Chairman: D. S. Chakravarthy, IQAC Coordinator

special invitee: Dr k. Ramakrishna, principal, SRR GASC, Karimnagar

Co Ordinator: Dr. S. Swetha, Asst professor of Zoology

Member 01 : K. Sunitha, Asst professor of Botany

Member 02: A. Shalini, Asst professor of Chemistry

Member 03: P. Aruna Lecturer in Physics

Extra invitee members:

Sri Mahesh, Environmental scientist, NTPC

Sri G. Srinivas Reddy, FRO, Karimnagar

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

Check List: This is used for providing a detailed listing of all issues to be covered in an institution.

Photographs: A picture speaks 1000 words. Use photographs to support findings and to highlight good practices with geo-tagging.

Comprehensive Methods: The detailed methodology is required for environmental audit and it must be conducted using comprehensive protocols and fixed procedures to ensure collection and documentation of the required data and verification of facts based on the information provided.

Relevant Measures and Standards: The standard measures could be adjusted to be relevant to the organization or activity being audited.

Written Reports: Reports should contain factual observations, reasoning and the documentation of the processes. The Clarity and accuracy should be maintained while presenting the findings with the support of valid and documented evidence.

Evidence verification: The concept of evidence and verification of environmental deficiencies is one of the key elements in an environmental audit. Initially the Internal audit team must verify all procedures, collected data and information through direct field inspection.

Certification and Grading: The External audit team will assess and evaluate the internal audit report and after thorough verification certificate along with grade will be issued.

PROCEDURE		
Procedure	Description	Responsibility

Annual plan	The environmental audit report is prepared by College Authorities each year and it ensures that the entire environmental management system is examined, must specify when the audit was carried out and those responsible for carrying it out.	Internal Environmental audit team/ coordinator
Preparation	<p>The typical questionnaire and check-lists are developed for the area to be audited before the actual individual audits are carried out. It is done using established procedures, objectives and action plans. They can be used to measure results in each area.</p> <p>The staff and in charges of the area to be audited should be informed well in advance about when the audit would be done and what it covers.</p>	Internal audit team
Internal Audit	Based on the questionnaire and checklists, the audit is carried out in the form of interviews / physical visit about - and observations of the actual state of affairs. The Team suggests further changes and correction as and when required.	Internal Audit team
Wrap-up meeting	<p>An audit report is prepared which is examined together with the in-charges responsible for the each area; minor areas are taken care of immediately, while a conclusion for the audit as a whole is written down.</p> <p>Correction reports are examined and corrective action is agreed upon. The internal audit team and the College Management / Principal sign the reports made. Then the reports must be submitted to the CC Office at Hyderabad.</p>	Internal audit team

Follow-up	When deadlines for corrective action are reached, the Coordinator responsible for the area audited is contacted and the environmental manager checks the corrective action carried out. If corrective action is effective, the case is closed. If not, a new report is prepared.	Coordinator
Reporting	A comprehensive joint report is prepared on the basis of all the internal environmental audits of the college. This report forms the basis for certification and grading by the external audit team and it holds the authority to review the entire report.	External Audit team/ Principal/ IQAC coordinator

AUDITING FOR WATER MANAGEMENT

1. List out uses of water in your college.

- Drinking
- Washing and cleaning
- Laboratories
- Gardening

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

Borewells, Municipal taps

3. How many wells are there in your college?

Nil. (There are two borewells in college campus and 2 in hostel premises.)

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

two Motors

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

@1.5HP

6. What is the depth of each well?

300 feet, 400 feet

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

200Ft.

8. How does your college store water?

In overhead tanks

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

500 to 1000 Liters

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

Institution – 9150 liters

11. If there is water wastage, specify why.

Wastage coming from R. O. water units.

Used water from laboratories.

Water from washrooms.

Rain water.

12. How can the wastage be prevented / stopped?

waste water from R.O. system is used for cleaning laboratories and vehicles.

13. Locate the point of entry of water and point of exit of waste water in your College.

Point of entry: borewell and municipal tap.

Point of exit: sewage tanks - 04

14. Where does waste water come from?

R. O. water plant, toilets, laboratories, rain water

15. Where does the waste water go?

waste water goes into sewage tanks.

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

waste water from R.O. system is used for cleaning laboratories and vehicles

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

Used water from laboratories goes into sewage tanks

18. Is there any treatment for the lab water?

No

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

Measures are taken to reduce exposure to harmful fumes by usage of exhaust fans, injections, bulb pipettes are used for pipette out of solutions. Practicals involving fuming chemical are conducted in open air. Hazardous chemical products are collected separately as hazardous waste. However prescribed conventional synthetic methods are followed and green synthetic methods are followed for the synthesis mentioned in syllabus. spot plates are used for confirmation tests in semi micro analysis for reducing usage of harmful reagents and to do tests with minimum number of reagents.

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

- water leakages of taps are frequently checked.
- Signs were displayed near the basins to turn off taps as soon as students wash their hands.
- Students are encouraged to pour leftover water from their water bottles in the garden
- Encouraging the Usage of refillable water bottles.

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

Not applicable

22. Bimonthly water charges paid to water connections if any

Nil

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

3 (300 Ltrs per day)

24. No. of water taps. Amount of water used per day?

89 taps, 1000 liters

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

18 bathrooms, 1000 liters

26. No. of toilet, urinals. Amount of water used per day?

10 urinals cum toilets. 1000 liters used per day

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

3 water taps. 500 liters

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

1000 Liters per day

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

35 water taps, 20 liters

30. Total use of water in each hostel?

2 @ 3000 = 6000 liters

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

Trees and Garden – 1000 Ltrs (Appro)

Toilets and Urinals – 1000 Ltrs (Appro)

Labs etc – 80 Ltrs (Appro)

Hostels – 6000 Ltrs(Appro)

32. Is there any water used for agricultural purposes?

Nil

33. Does your college harvest rain water?

Yes

34. If yes, how many rain water harvesting units are there?

06

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?

Daily (except on rainy days)

42. Quantity of water used to water the ground?

(Approx.) 500 Lit

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

Not applicable

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?

1. Waste water from R.O. plants is diverted for the purpose of cleaning laboratories, floors and vehicles.

2. 04 rain water harvesting pits were established and being taken care of regularly.

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

An alarm to indicate the water level of storage tank has been set up to prevent overflowing of water.

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

- Drip irrigation

AUDITING FOR ENERGY MANAGEMENT

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

College uses energy in the form of (1) Electricity (2) LPG

2. Electricity bill amount for the last year

Rs.167887/- (For the Financial Year: From 01.04.2020 to 31.03.2021)

(Electricity bill Excludes hostel as hostel electricity bill is paid by their respective departments ie social welfare department.

3. Amount paid for LPG cylinders for last one year

Rs.756/-

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

Nil

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

- Energy saving appliances are purchased and being used to save energy.
- Electrical appliances like Refrigerator, air conditioners are adjusted to moderate temperatures to make consumption of low energy.
- Turning of lights and fans while leaving rooms. Turning off electrical appliances, laboratory instruments when not in use.
- Usage of LED bulbs rated by energy star in campus as street lights.
- Replacing incandescent bulbs with LED bulbs in rooms.
- Sign boards are placed in class rooms to remind students to turn off lights and fans when not in use.

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

Around Rs.15000 per month (Rs.14050.83)

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

Number of CFL bulbs : 07

Number of Hours used per Day : 04

Number of Days used in a Month : 25

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

1.2Kwh

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

Number of LED bulbs : 10

Number of Hours used per Day : 04

Number of Days used in a Month : 25

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

0.6kWh

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).

9 kWh

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

Number of fans : 210

Number of Hours used per Day : 04

Number of Days used in a Month : 25

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

21 kWh

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

Number of air conditioners : 07

Number of Hours used per Day : 04

Number of Days used in a Month : 25

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

45kWh

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)

S.No	Electrical Appliances	Number	Number of Hours used per Day	Number of Days used in a Month
1	Colorimeter	06	02	10
2	Conductometer	06	02	10
3	Potentiometer	02	02	10
4	Exhaust fan	02	02	25
5	PH Meter	03	02	10
6	Electronic Balance	03	02	25

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

S.No	Electrical Appliances	Energy used by each electrical equipment per month (kWh)
1	Colorimeter	
2	Conductometer	
3	Potentiometer	
4	Exhaust fan	
5	PH Meter	
6	Electronic Balance	

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

Number of computers : 293
Number of Hours used per Day : 04
Number of Days used in a Month : 25

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

25kWh

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

Number of photocopiers : 06
Number of Hours used per Day : 06
Number of Days used in a Month : 25

22. How many cooling apparatuses 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

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)

Energy used by each photocopier per month = 10.56 kWh

Number of Inverters : 06
Number of Hours used per Day : 04
Number of Days used in a Month : 05

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

3.75kWh

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)

No. of Electrical equipment	Hours /day used	How many days /months used
46	02	16

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

6.73kWH

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?

32

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

0.36 kwh

32. No of TVs in your college and hostels?

5

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

1 kwh

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?

Yes, 1hr.

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

Install heat resistant windows.

40. How many boards displayed for saving energy awareness?

04

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.

Choosing right lights, using power strip to reduce plug load, biogas plant, and solar power plant installation

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: 2041

No. Non-teaching staff; Male: 07 Female: 13 Total: 20

Which of the following are available in your College?

Give area occupied- 9.5 acre

Garden area and Garbage dump (number) : 1 acre

Playground area: 1.5 acre

Laboratory: 18

Kitchen: NO

Canteen: 1 Canteen

Toilets (number) : 60

Car/scooter shed area : 03sqft

Number of class rooms: 37

Office rooms and others (specify) : 1

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 : 01

Garbage heap : 07

Public convenience Sewer line : 01

Stagnant water: 01

Open drainage Industry – (Mention the type) :01

Bus / Railway station Market / shopping complex / public halls: Small Bus stop in front of the college:01

WASTE

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

Yes. Dry leaves, Canteen waste and solid waste (Food)

How much quantity?

Number or weight E-waste Hazardous waste (toxic)- 300 gms per year approximately.

Solid waste : 10kg/day

Dry leaves : 1kg/day

Canteen waste : 1kg/Month

Liquid waste : Nil

Glass : 1 kg/year

Unused equipment : ---

Medical waste if any : --

Napkins Others (Specify) : 10 kg/year

Is there any waste treatment system in the college? Yes, Vermicompost

Is there any treatment for toilet/urinal/sanitary napkin waste? : Incinerators are used to dispose sanitary napkin

1. What is the approximate quantity of waste generated per day? (in Kilograms) Office Laboratories Canteen/kitchen

100 gms/day (Approx)

2. Why waste is a problem?

Waste intensifies the pollution. It creates soil pollution, air pollution and water pollution.

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 : No
- 3 Reusing: No
- 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? 03

What should be the use for each box? (Develop a Colour code with reasons) Green,Blue And Red

7. Do you use recycled paper in College? No

8. Is there any waste wealth program practiced in the college? No

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

The message of recycling can be spread through several initiatives, such as teaching the importance of recycling to stakeholders and adapting to recycling methods at your institution.

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

Yes. By adapting four methods Reduce, Recycle, Reuse, Refuse.

AUDITING FOR CARBON FOOTPRINT

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

No. of Students: 2041

No. of Teachers; Male :12 Female: 32 Total: 44

No. Non-teaching staff; Male: 07 Female: 13 Total: 20

2. Total Number of vehicles used by the stakeholders of the college. (per day) 33

3. No. of cycles used : 05

4. No. of two wheelers used: 31

(Average distance travelled and quantity of fuel and amount used per day) 120 km and 3 lit/day

5. No. of cars used: 02

(Average distance travelled and quantity of fuel and amount used per day) (Approx) 10Km and 1 lit/day

6. No. persons using common (public) transportation: 21

(Average distance travelled and quantity of fuel and amount used per day) 42 km/day and 1 lit/day

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.) Parents meeting-01/Year

Parents turned up-75 (approx.)

9. Number of visitors with vehicles per day? 15 (Approx)

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

Nil

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

1 cylinder per month.

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

Nil

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.

Nil

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

1200/Month

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

25000/Month

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

NA

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

We are practicing NO VEHICLE DAY as best practice monthly once.

Avoid vehicles for short distances travel, avoid vehicles within campus, drive in speed limit, use vehicles only when needed, encouraging public transport.

18. Are the Rooms in Campus are Well Ventilated?

Yes

91. Window Floor ratio of the Rooms: Good

Carbon Footprint - Sample Report

- Petrol used by two wheelers/day–11 L

Fuel used by four wheelers - 2 L

Fuel for persons travelling by common Transportation =76 L

Total fossil fuel use is 89 L / day

Total fuel cost per day for transportation =Rs. 6230/- (89 L x Rs 70)

Cost of stakeholder transportation per month (Rs.6230x22 days)- Rs137060/-

Results of water quality

Parameters	Bore Well water	Municipal Tap water	Standard value (BIS)
Dissolved Oxygen (mg/l)	5.5	7	6-8
Acidity (mg/l)	-	-	200
Alkalinity (mg/l)	190	65	200
Chloride (mg/l)	210	45	250
Hardness (Total)	175	53	200
Conductivity (µs)	260	130	
Ph.	8.5	7.5	6.5-8.5
Total Dissolved Solids (ppm)	485	210	500
Salinity (ppt)	-	-	-
Total coliform	0	0	0
Fecal coliform	0	0	0

Air quality Determination:

Air Quality Index (parameters recorded - Source from Internet):

NO ₂	23ppb
SO ₂	2 ppb
O ₃	12ppb
PM2.5	49 µg/m ³
PM10	83 µg/m ³
CO	287ppb
Humidity	89%
Barometric Pressure	-
Wind Speed	-
Wind Direction	-
Sun Rise	6 am
Sun Set	6.25 pm

1. Water management

SL NO	PARAMETERS	Response	Remarks
1	Source of water	Borewell & Municipal tap	
2	No. of Wells	Nil	
3	No. of motors used	06	
4	Horse power – Motor	@1.5	
5	Depth of well –Total	Not applicable	
6	Water level	200ft	
7	Number of water tanks	7	
8	Capacity of tank	500-1000Ltrs	
9	Quantity of water pumped every day	15 to 16000 ltrs	
10	Any water wastage/why?	RO water	
11	Water usage for gardening	1000 ltrs/day	
12	Waste water sources	RO water	

13	Use of waste water	Labs,Toilets,v ehicles	
14	Faith of waste water from labs	Ground	
15	Whether waste water from labs mixed with ground water	Yes	
16	Any treatment for lab water	NA	
17	Whether any green chemistry method practiced in labs	Partially	
18	No. of water coolers	3	
19	Rain water harvest available?	Yes	
20	No. of units and amount of water harvested	20 Lakh Ltrs	
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	

1. Waste management

Approximate quantity of waste generated per day (in kg)

Office				
Approx.	Biodegradable	Non -Biodegradable	Hazardous	Others
<1Kg	500gm/day dry leaves	Negligible < 100gm polythene waste		
2-10Kg				
>10Kg				

Laboratories				
Approx.	Biodegradable	Non - Biodegradable	Hazardous	Others
<1Kg	Filter paper etc 20-100gm	50gm	50mg	
2-10Kg				
>10Kg				

Canteen/kitchen				
Approx.	Biodegradable	Non - biodegradable	Hazardous	Others
<1Kg		100gm/day		
2-10Kg	Vegetable waste 10Kg/day			
>10Kg				

Waste generated in the college?

E-waste		
Hazardous waste		100gm/year
Solid waste		10Kg/day
Dry leaves		500gm/day
Canteen waste		1kg/month
Liquid waste		-
Glass		500gm/year
Unused Equipment		-
Napkins		10kg /year approx
Others(specify)		

How the waste generated in the college is managed?

A)Composting/ Vermicomposting	Yes	Remark
B)Recycling	No	
C)Reusing	No	
D)Other ways	Making of decorative items with waste paper and plastic items	

Do you use recycled paper in college? No

Any waste management methods used?

Dry leaves waste from plants is used for vermi composting. Making decorative items from Paper waste and plastic waste. water waste is used for cleaning rooms, cleaning kitchen and utensils in hostel.

AUDITING FOR GREEN CAMPUS MANAGEMENT

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

- ❖ Yes
- ❖ It is located in about 01 Acres area

2. Do students spend time in the garden?

- ❖ Yes
- ❖ Cement benches accommodated in specific areas for this purpose.

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

List Of
Variants of Plants that existing in the Campus

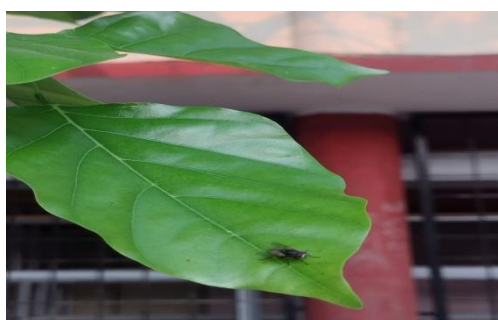
Sl.no.	Name	Scientific name	Number
1	Tulasi	Ocimum sanctum	02
2	Maredu	Aegle marmelos	03
3	Mandara	Hibiscus rosa sinensis	01
4	Jasmine	Jasminum	04
5	Chakram malle	Tabernemontana	03
6	Devaganneru	Plumeria alba	02
7	Plumeria	Plumeria pudica	03
8	Ramabanam	Ixora	01
9	Shankupushpam	Clitoriaternata	01

10	Duranta	Duranta repens	20
11	Parijatham	Nyctanthusarbortritis	02
12	Yucca	Yucca	01
13	Pedilanthus	Pedilanthus	01
14	Ranapala	Bryophyllum	05
15	Karivepaku	Murrayakoeinigii	08
16	Sitaphalam	Annona squamosa	03
17	Kalabandha	Aloe vera	02
18	December flowers	Ruellia	04
19	Haemelia	Haemelia	01
20	Cycas	Cycas revoluta	02
21	Gulabi	Rosa indica	02
22	Bottle brush	Callistemon	01
23	Tecomaria	Tecomaria	01
24	Naramamidi	Polyalthia longifolia	01
25	Punnaga	Millingtonia	02
26	Shatavari	Asparagus	01
27	Umbrella plant	Scheffleria	02
28	Sage	Leucophyllum frutescens	01

4. **Suggest plants for your campus. (Trees, vegetables, herbs, etc.)** Terminalia, chebula, Ashwagandha, Sarpagandha, Adathoda, Gymnema, Epiphytes, Cinnamomum, Medicinal herbs, Ornamentals

Faunal diversity in college campus:

S.NO	Faunal Group	Scientific Name
1	Butterfly	Danaus genutia
2	House fly	Musca domestica
3	Red ant	Solenopsis
4	Garden Lizard	Calotis
5	Slender Skimmer	Orthetrum sabina
6	House Crow	Corvus splendens
7	House Sparrow	Passer domesticus
8	Cobra	Naja naja
9	Red Vented Bulbul	Pycnonopus cafer
10	House wall lizard	Hemidactylus
11	Monkey	Macaca
12	Heron	Ardea alba
13	Pigeon	Columbo levia
14	Peacock	Pavo crystatus



House fly (*Musca domestica*)



Butterfly (*Danaus genutia*)

Red Ant (*Solenopsis*)



Calotis (Garden Lizard)



House crow (*Corvus splendens*)



Chameleon



House wall lizard (*Hemidactylus*)



House Sparrow (*Passer domesticus*)



Dragon Fly (Orthetrum Sabina)



Monkey (Macaca)



Serpentes

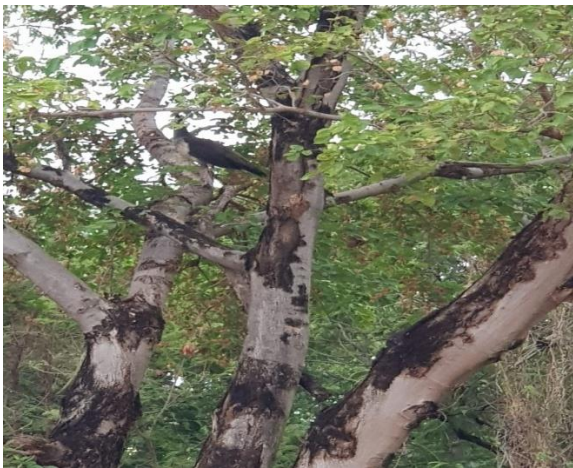
Red Vented Bulbul (Pycnonopus cafer)



House Sparrow (Passer domesticus)



Cobra (Naja naja)



Peacock (Pavo cristatus)



Pigeon (Columbo levia)



Heron (*Ardea alba*)



Chameleon

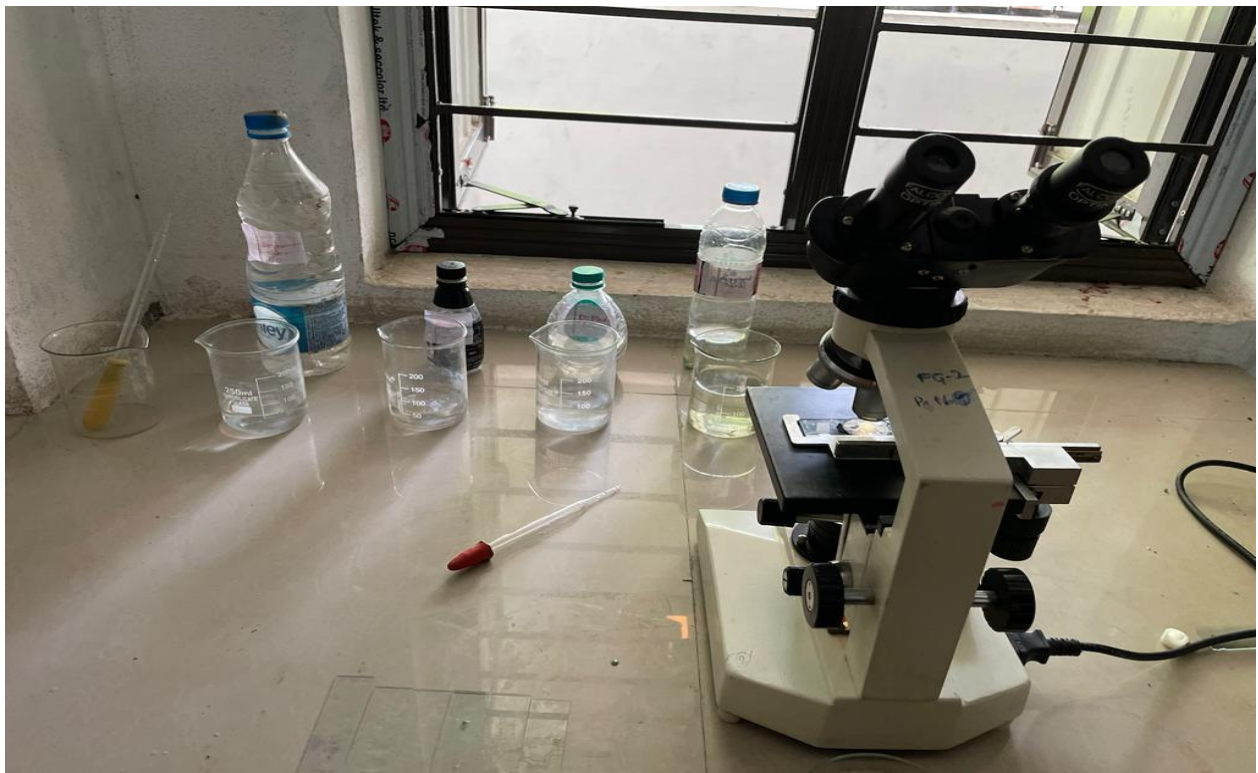
Water Quality analysis {Biological} report of college - II

{with Photographic evidence}

S.No	Parameter or WHO Permissible level	Zooplankton (No of Samples or sites)	Methodology
1	Protozoan (Ciliates)	2 samples	Observation Morphological identification
2	Rotifers	2 samples	Observation Morphological identification
3	Ostracods	Nil	-
4	Insect Larvae	2 samples	Observation Morphological identification
5	Water Fleas	2 samples	Observation Morphological identification
6	Bivalves	- Nil	-
7	Snails	Nil	-
8	Mussels	Nil	-
9	Any Other (Specify)		-

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

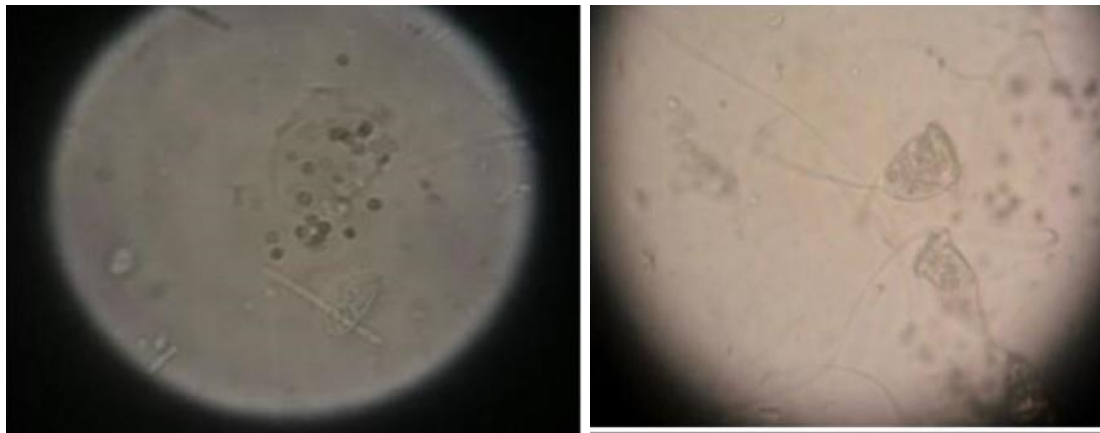
S.No	Phytoplanktons	Scientific Name and number	Methodology
1	Diatoms (Bacillariophyceae)	Nil	
2	Dinoflagellates (Dinophyceae)	Nil	
3	Coccolithophores (Prymnesiophyceae)	Nil	
4	Green algae (Chlorophyceae)	Volvox	Observation Morphological identification
5	Cyanobacteria (earlier Blue-green algae)	Oscillatoria indica Gleocapsa Nostoc commune	Observation Morphological identification
6	Others (specify)	-	



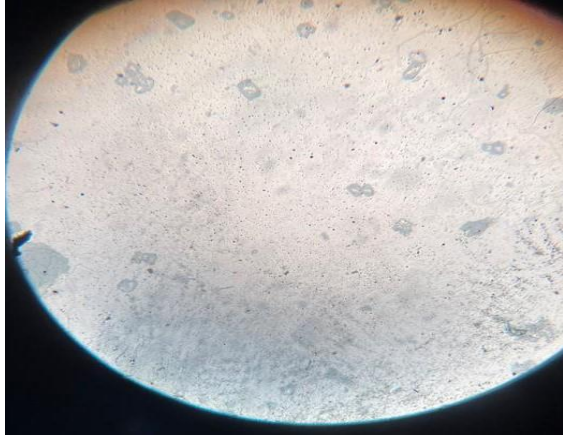
Water samples for biological parameters and Projection microscope



Observing the samples under Projection microscope



Protozoans (Euglena and vorticella) are present in the image

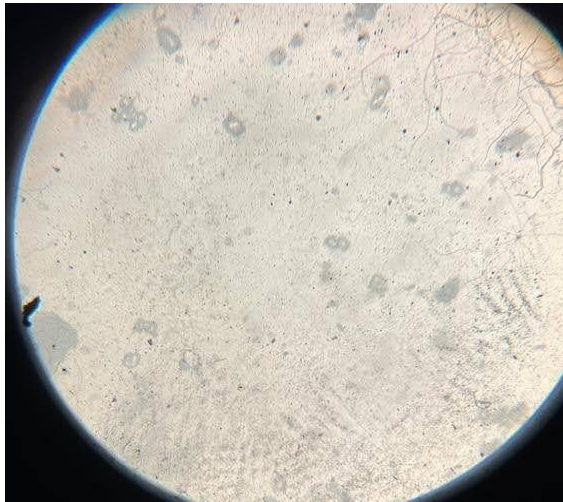


Insect larvae and water fleas



Green algae present in the image

And rotifers present in the image



Water fleas present in the sample



Blue green algae present in the image

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

Sl.No.	Scientific name of the Plant	Local name
1	Aegle marmelos	Maredu
2.	Nerium	Ganneru
3.	Phyllanthus emblica	Amla
4	Bryophyllum	Ranapala
5	Polyalthia longifolia	Ashoka ,Naramamidi
6	Crinum asiaticum	Lily
7.	Ixora	Ramabanam
8.	Punica granatum	Danimma
9.	Psidium gujuava	Jaama
10.	Peltophorum	
11	Delonix	gulmohar
12	Millingtonia	Punnaga
13	Leucaena	Subabul
14	Lawsonia	Henna
15	Pedilanthus	
16.	Hibiscus	Mandaara
17.	Asparagus	shatavari
18	Sapindus	kunkudu
19	Mangifera	mamidi
20	Bauhinia	Devakanchanam
21	Azadarakhta indica	Neem, Vepa
22	Mangifera indica	Mango ,Mamidi
23	Delonixregla	Gulmohar
24	Psidium guajava	Jama ,Guava
25	Jasmine	Malle
26	Leucaena leucocephala	Subabul

6. Whether you have displayed scientific names of the trees in the campus?

❖ Yes, displayed recently. QR codes were also accommodated.

7. Is there any plantations in your campus? If yes specify area and type of plantation.

❖ Yes plantation proceeded in the part of Harithaharam by Municipal Authorities.

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).

❖ Borewell water, Municipal taps and tankers

❖ About 2000 L

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

❖ K.Sunitha, Asst.Professor of Botany

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?

❖ Pesticides are not used.

❖ "Vermicompost" that prepared in the college campus utilized as a supplement to flowering & fruit yielding plants .

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, "Vermicompost" that prepared in the college campus utilized as a supplement to flowering & fruit yielding plants .

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

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

List Of Medicinal Plants in Campus

Medicinal plants in the campus		
Common name	Botanical name	Number
Tippateega	<i>Tinospora cordifolia</i>	10
Nelausiri	<i>Phyllanthus niruri</i>	20
Tellamaddhi	<i>Terminalia arjuna</i>	1
Uttareni	<i>Achyranthus aspera</i>	20
punarnava	<i>Boerhaaviadiffusa</i>	5
Jilledu	<i>Calotropis procera</i>	1
Danimma	<i>Punica granatum</i>	5
Ganuga	<i>Pongamia pinnata</i>	10

Ummettha	<i>Datura metel</i>	1
Sida	<i>Sida cordifolia</i>	10
Neelimandhu	<i>Indigofera prostrata</i>	30
Kunkudu-Soapnut	<i>Sapindus indica</i>	8
Vempali	<i>Tephrosia purpuria</i>	5
Teku	<i>Tectona grandis</i>	4
Munaga	<i>Moringa oleifera</i>	4
Chintha-Tamarind	<i>Tamarindus indica</i>	2
Vepa	<i>Azadirachta indica</i>	100
Henna	<i>Lawsoniainermis</i>	5
hirta	<i>Euphorbia hirta</i>	5
Regu	<i>Zizypus jujuba</i>	4
Devakanchanam	<i>Bauhinia purpuria</i>	10
garika	<i>Cynodondactylon</i>	30
Machipatri	<i>Artemecia vulgaris</i>	1
ganneru	<i>Nerium odorum</i>	10
Karivepaku	<i>Murrayakoeinigii</i>	5
Aloevera	<i>Aloevera</i>	10
Tulasi	<i>Ocimumsactum</i>	4
Kadambam	<i>Anthocephaluskadamba</i>	1
Cocos	<i>Cocos nucifera</i>	1
Maredu	<i>Aegle marmelos</i>	5
Jammi	<i>Prosopis cineraria</i>	5
Mamidi	<i>Mangifera indica</i>	4

Billaganneru	Tabernemontana	1
Raavi	Ficus religiosa	2
Yennadri	Commelina	10

20. Any threatened plant species planted/conserved?

Yes , Terminalia arjuna, Aegle marmelos, Butea monosperma, Hybanthus, Indigofera

21. Is there a nature club in your college? If yes what are their activities?

No. Ecoclub conducts programmes on ecofriendly activities and awareness programmes

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

Yes , millingtonia, ganuga, munaga, nemalinaara, neem, teak plants that furnished in Botanical garden

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

Yes , Amla, Seethaphal, Guava, Panasa, Kobbari, Daanimma, Mamidi, Allaneredu,arati

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

❖ Neem groove at parking area

25. Is there any irrigation system in your college?

❖ NO

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

❖ Xerophytes and herbs

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

❖ Haritha Haram, Clean and Green

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

Awareness on campus flora, plantation Biodiversity studies, conservation of endangered and threatened species

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

2.9

❖ It is located in about acre area

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

❖ Periodical plantation in the campus.

❖ Regular maintenance of plants



Certificate

HYM International Certifications Pvt. Ltd.

Certified that the Energy Management System of

GOVERNMENT DEGREE COLLEGE (W)

Karimnagar, Telangana State, India.

has been assessed and found to be in accordance with the requirements of the Energy standards

ISO 50001 : 2011

for the following scope of certification

PROVIDING EDUCATIONAL SERVICES

Further information about the scope of this certificate and applicability of ISO 50001 : 2011 requirements may be obtained by consulting the organization.

Issue Date : 20/05/2021

1st Surveillance 19/05/2022

Renewal Date : 19/05/2024

2nd Surveillance 19/05/2023



Authorised Signature

Certificate No : **En9186414022**

HYM International Certifications Pvt. Ltd

NOTE: Subject to Recertification at the end of every one year from the date of issue of this certificate

This is an accredited certificate authorized for issue by Accreditation Service for Certifying Bodies [Europe] Limited who have assessed M/s.HYM International Certifications Pvt. Ltd. against defined criteria and in cognisance of ISO 17021:2015 "Conformity Assessment - Requirements for bodies providing audit and Certification of management Systems".

www.hymcertifications.com on for checking the validation of the Certification

Regd. Office : Plot No. 265/C, Addagutta Society, Opp. JNTU, Kukatpally, Hyderabad - 500 072, Telangana State, India.
E-mail: siva@hymcertifications.com, Website: www.hymcertifications.com



Certificate

HYM International Certifications Pvt. Ltd.

Certified that the Environmental Management System of

GOVERNMENT DEGREE COLLEGE (W)

Karimnagar, Telangana State, India.

has been assessed and found to be in accordance with the requirements of the environmental standards

ISO 14001 : 2015

for the following scope of certification

PROVIDING EDUCATIONAL SERVICES

Further information about the scope of this certificate and applicability of ISO 14001 : 2015 requirements may be obtained by consulting the organization.

Issue Date : 20/05/2021

1st Surveillance 19/05/2022



Renewal Date : 19/05/2024

2nd Surveillance 19/05/2023



Authorised Signature

Certificate No : **E91864140102**

HYM International Certifications Pvt. Ltd

NOTE: Subject to Recertification at the end of every one year from the date of issue of this certificate

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www.hymcertifications.com on for checking the validation of the Certification

Regd. Office : Plot No. 265/C, Addagutta Society, Opp. JNTU, Kukatpally, Hyderabad - 500 072, Telangana State, India.
E-mail: siva@hymcertifications.com, Website: www.hymcertifications.com



Certificate

HYM International Certifications Pvt. Ltd.

Certified that the Hygiene Certification Of Compliance

GOVERNMENT DEGREE COLLEGE (W)

Karimnagar, Telangana State, India.

has been assessed and found to be in accordance with the requirements of the Hygiene Certification Of Compliance

GOOD HYGIENE PRACTICES

for the following scope of certification

MAINTAIN HYGIENE AND SAFETY PRACTICES AT CAMPUS

Further information about the scope of this certificate and applicability of Hygiene Certification Of Compliance requirements may be obtained by consulting the organization.

Issued Certificate Date : 03:08:2021

Certificate Renewal Date : 02:08:2022



GHP

Authorised Signature

HYM International Certifications Pvt. Ltd

Certificate No : H9186414026

This is an accredited certificate authorized for issue by Accreditation Service for Certifying Bodies [Europe] Limited who have assessed M/s.HYM International Certifications Pvt. Ltd. against defined criteria and in cognisance of ISO 17021:2015 "Conformity Assessment - Requirements for bodies providing audit and Certification of management Systems".

www.hymcertifications.com on for checking validate of the Certification

Regd. Office : Plot No. 265/C, Addagutta Society, Opp. JNTU, Kukatpally, Hyderabad - 500 072, Telangana State, India.
E-mail: hymcert09@gmail.com, Website: www.hymcertifications.com



सत्यमेव जयते

भारतसरकार / Government of India

महात्मा गांधी राष्ट्रीय ग्रामीण शिक्षा परिषद / Mahatma Gandhi National Council of Rural Education

उच्चशिक्षाविभाग / Department of Higher Education

शिक्षामंत्रालय / Ministry of Education



District Green Champion Certificate

This is to certify that **Government Degree College for Women, Karimnagar** is hereby recognized as **District Green Champion** for **Karimnagar** District, Telangana for the Academic Year 2021-22. The institution has successfully elevated the Swachhta Action Plan, adopted and implemented best practices in the areas of Sanitation, Hygiene, Waste Management, Water Management, Energy Management and Greenery Management.

Dr W G Prasanna Kumar
Chairman, MGNCRE

Ministry of Education, Government of India

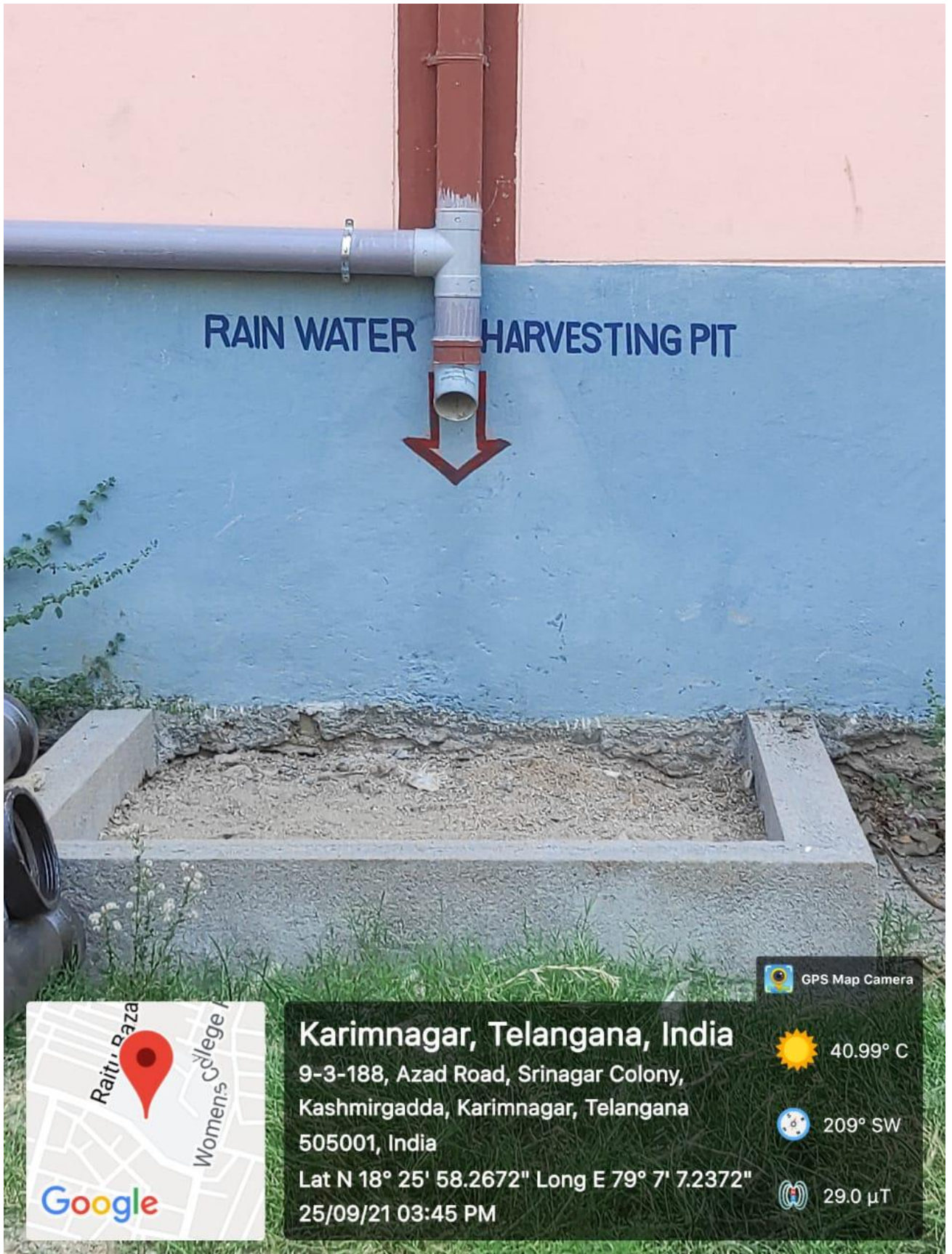
तारीख / Date : 12.03.2022

ज्ञापनसंख्या / Memo no: MGNCRE/SAP22/N16



Rain Water Harvesting Pit

As a part of conservation of water, six (06) RAIN HARVESTING PITS were established in the campus. Due to which every drop of rain water is getting conserve.



Rain Water Harvesting Pit at ARTS BUILDING



Rain Water Harvesting Pit at CHEMISTRY BLOCK



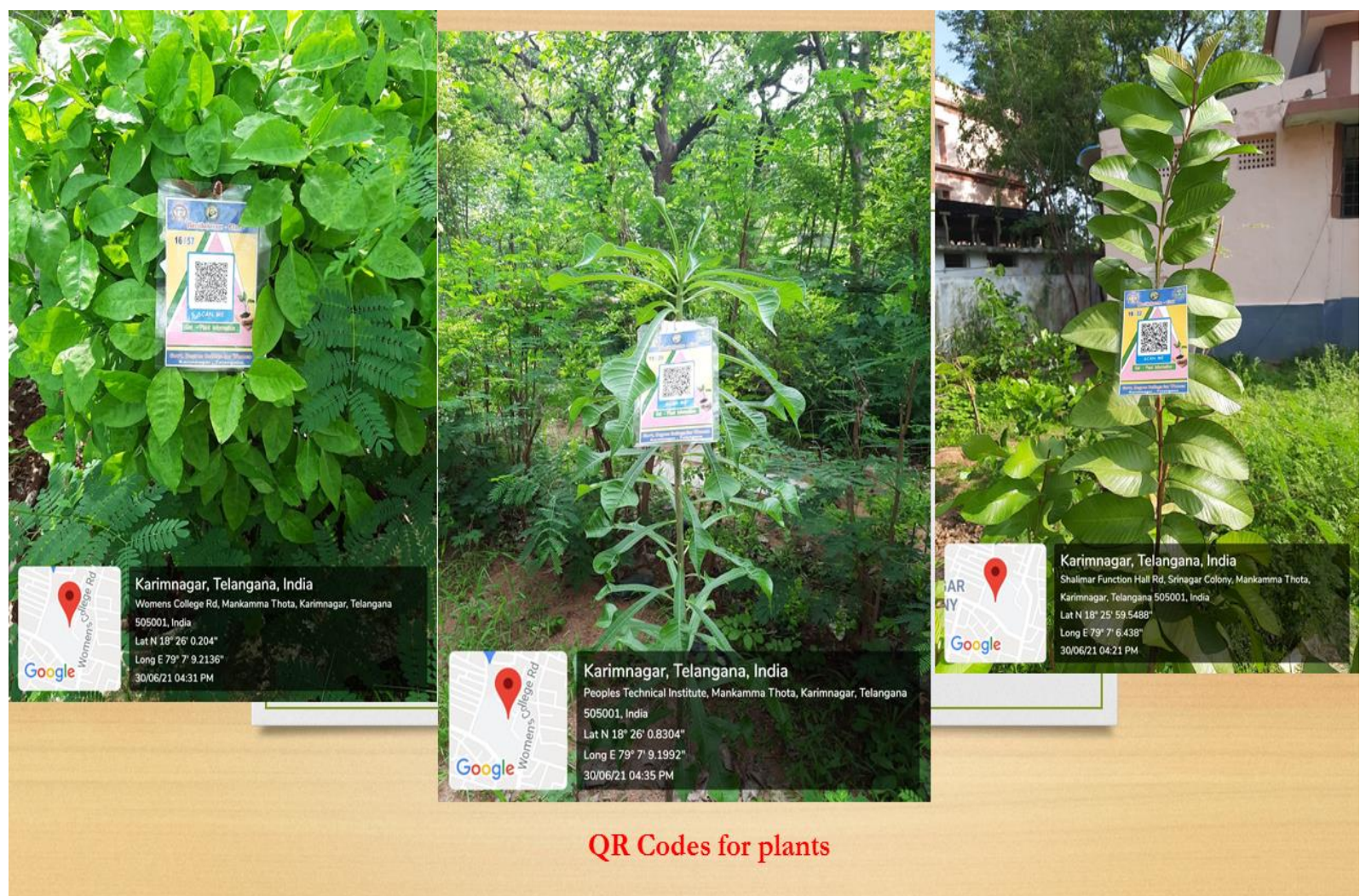
Dry leaves collection for compost

Our college is enveloped by blanket of greenery. Due to seasonal changes, the dry leaves on the floor of the campus is a problem. But we solved the problem by collecting them into dumping pits and using it for the preparation of organic manure.



Dry waste management methods

In order to maintain the campus clean and green we have trained the students to use the dustbins to put the dry waste for which dustbins were kept at different places in the campus.



As per CCE instructions ,QR Code was given to every plant in the campus. By scanning the QR code a student can get the total information of that plant such as scientific name,Family,its economic importance and medicinal importance.Thus QR CODE enables the students to aquire the knowledge of each and every plant in the campus.QR code was given by the department of Botany for morethan 500 plants.

When scanned, the QR code provides information in the following manner

Govt. Degree college for
Women, Karimnagar
Dept. of Botany
Plant name : Vepa, Neem, Indian lilac
Location : Opp. Maths Dept.
Scientific name : *Azadirachta indica*
Family : Meliaceae
Native to the Indian
subcontinent. Fast-growing tree
& drought resistant. known in
Ayurveda as nature's pharmacy
Bark, leaves, flower, fruit, seed and
root – all parts of the neem tree used
in the traditional medicine of India for
centuries for treating
inflammation, infections, fever, Skin
diseases & has cultural significance
Neem contain diverse
phytochemicals, azadirachtin and
related limonoids, polyphenols,
nimbolide etc.
It is Anti-inflammatory, antibacterial
, anti-fungal Antihelminthic. and anti-
aging. Anticancer
Seeds & seed oil - insecticide

QR Codes Collage

of

**Government Degree College
for Women**

Karimnagar



Bird feeders



BIRD FEEDERS:

In order to maintain the ecological balance in the biodiversity we have adapted to maintain the bird feeders in the campus. A two days workshop was conducted for the preparation of bird feeders by the students organized by the department of zoology. With a great enthusiasm the students participated in the workshop and prepared various models of bird feeders by using mineral water bottles, various plastic bottles, coconut shells, car and scooter tyres, sweet boxes etc. It is also a concept of **“BEST FROM WASTE”**. Which is one of the **BEST PRACTICE** of our college.

Who said I am hard??

I Know How soft am I, by serving as a Bird Feeder.



They enjoyed the eating by me and now I am of no use for them

Everyone hates me as a threat to biodiversity

But now I am blessed in this campus

To be a BIRD FEEDER!!



For several years I served the man as car tyres and scooter tyres.

He threw out me as a waste after his work done.

But now I am getting more satisfaction.....

To serve as A BIRD FEEDER in this campus.




R.O. water plant



Overhead water tank

GPS Map Camera

Karimnagar, Telangana, India  39.66° C

C4M9+7MW, Mankamma Thota, Karimnagar, Telangana 505001, India  282° W

Lat N 18° 26' 0.4848" Long E 79° 7' 5.0484"  19.0 μT

25/09/21 11:50 AM

Google



Water overflow alarm for Energy conservation



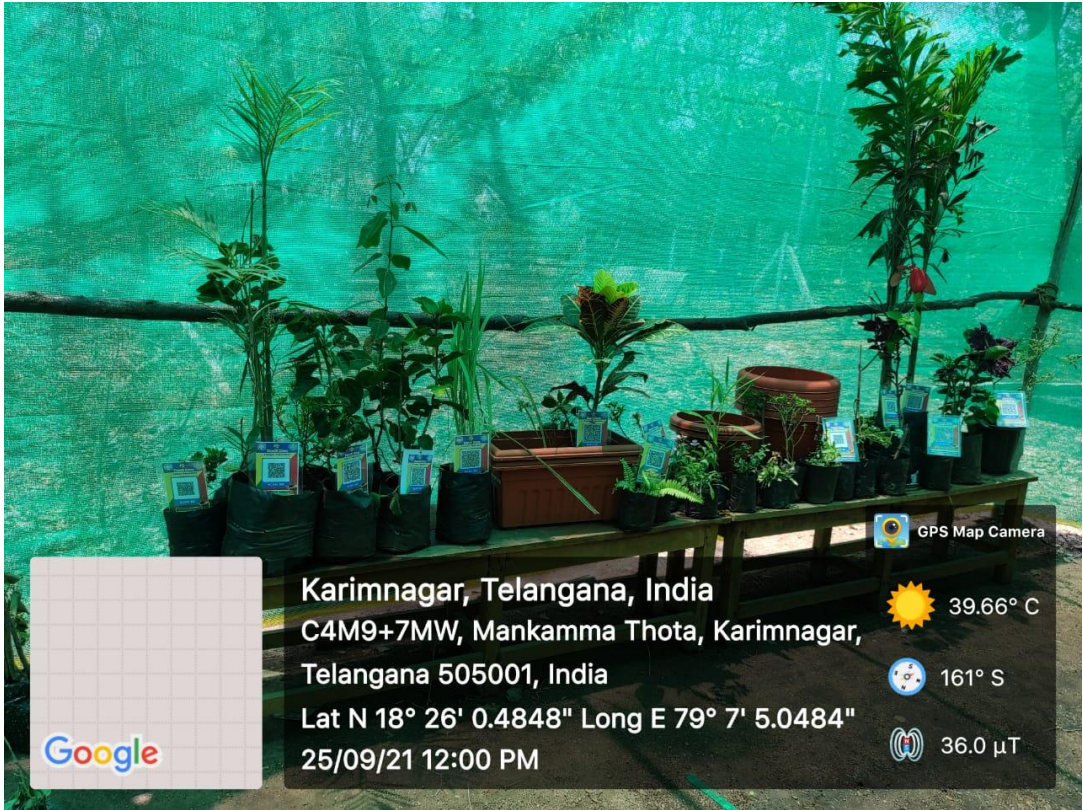
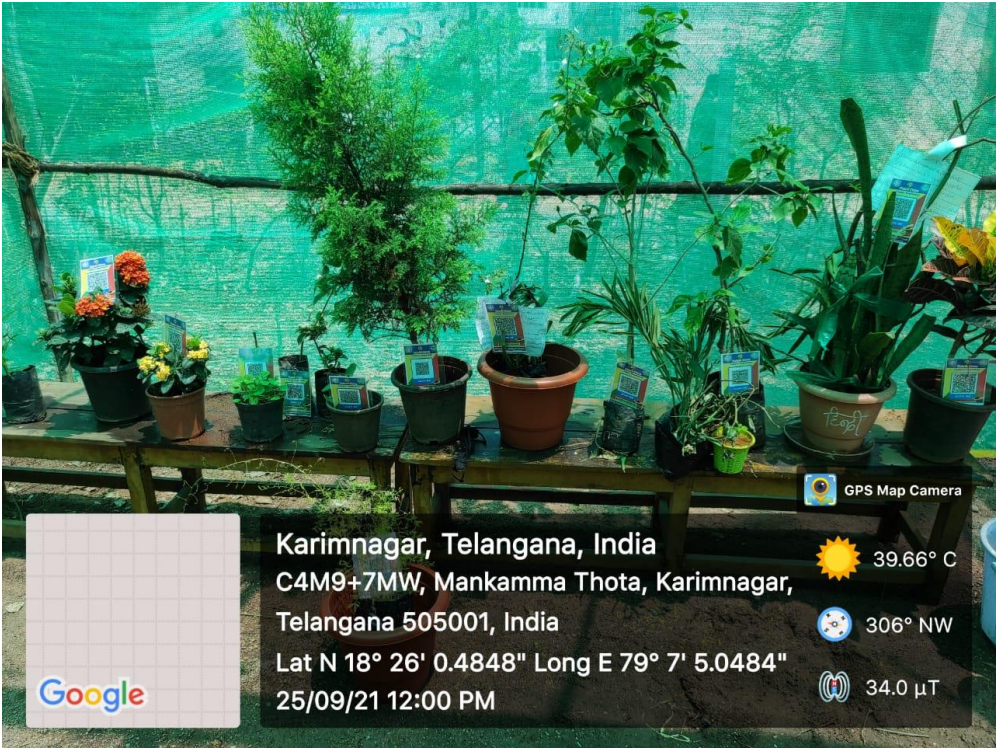
Forest Range Officer providing suggestions

With the visit of forest range officer we acquired the knowledge about the plantation, to check and control the growth of termites, dry leaves count etc.

Green House



In order to grow the medicinal plants under regulated conditions a green house is established in the botanical garden.



Green House



Karimnagar, Telangana, India
C4M9+7MW, Mankamma Thota,
Karimnagar, Telangana 505001, India
Lat N 18° 25' 59.8656" Long E 79° 7'
5.4336"
20/09/21 11:13 AM



Preparation of manure



Greenery in the college

What does he plant who plants a tree?

He plants the friend of sun and sky,

He plants the flag of breezes free,

The shaft of beauty,towering high;

He plants a home to heaven anigh;

The treble of heaven's harmony-

These things he plants who plants a tree.



Greenery in the college

Everyone loves greenery, but no one wants to be the reason behind it!!

But we cared for the greenery and developed the green blanket of 4 acres.



Greenery in the college

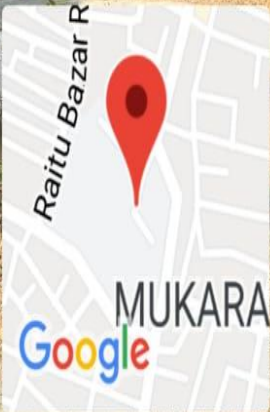
Time spent amongst trees is never wasted time!



Greenery in the college

Nature is so beautiful it blows our mind...

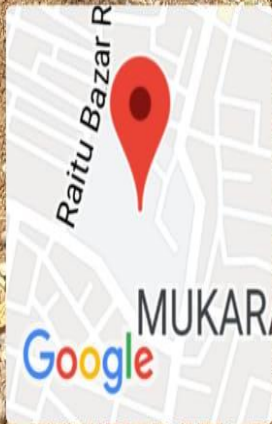
You can lose yourself in it or find yourself at the same time...



Karimnagar, Telangana, India
C4M9+7MW, Mankamma Thota, Karimnagar,
Telangana 505001, India
Lat N 18° 25' 59.8584" Long E 79° 7' 9.7824"
25/09/21 04:08 PM

GPS Map Camera
40.99° C
42° NE
27.0 μ T

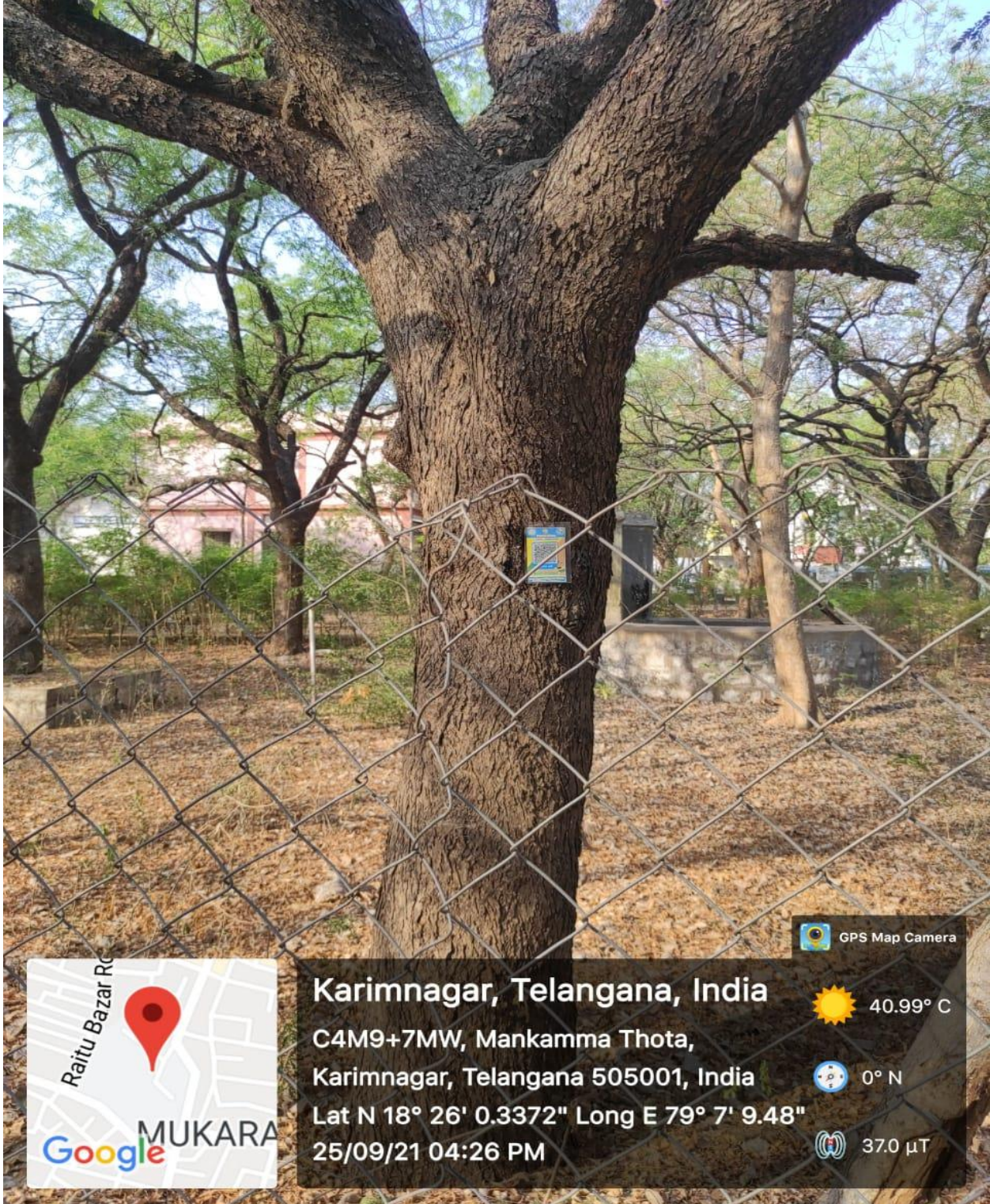
Greenery in the college



Karimnagar, Telangana, India
C4M9+7MW, Mankamma Thota, Karimnagar,
Telangana 505001, India
Lat N 18° 25' 59.9088" Long E 79° 7' 8.5944"
25/09/21 03:58 PM

GPS Map Camera
40.99° C
329° NW
33.0 μ T

Recharging Borewell



Karimnagar, Telangana, India

C4M9+7MW, Mankamma Thota,
Karimnagar, Telangana 505001, India

Lat N 18° 26' 0.3372" Long E 79° 7' 9.48"
25/09/21 04:26 PM

GPS Map Camera

☀️ 40.99° C

🌐 0° N

📶 37.0 μT

QR Codes for trees



Flower plants in front of Bio science block

➤ ENERGY AUDIT REPORT OF EACH EQUIPMENT IN THE COLLEGE:

S. No	Electrical Appliances /Instruments	Number	Power (W) /Unit	Total Power (W)	Total Power (kW)	Operation /Day (Hours)	Power Consumed Per Day (kW/Hr)	No.of Days in month	Total consumption per month
1	2	3	4	5	6	7	8	9	10
				3 X 4	5/1000		6 X 7		8 X 9
1	Tube Lights (Including Dept Corridors)	258	40	10320	10.32	2	20.64	25	516
2	Filament Bulbs	10	60	600	0.6	1	0.6	25	15
3	CFL bulbs	1	20	20	0.02	1	.02	25	0.5
4	Ceiling Fans	210	75	15750	15.7	3	47.25	25	1181.2
5	Exhaust Fans	4	40	160	0.16	2	0.32	25	8.0
6	LCD Projector	9	282	2538	2.53	2	5.076	5	25.38
7	Computers	293	250	73250	73.25	2	146.5	5	732.5
8	Printers	10	100	1000	1	1	1	25	25
9	Xerox Machines		1000	1000	1	1	1	25	25
10	UPS	2	2000	4000	4	12	24	25	600
11	AC s	2	5000	10000	10	6	60	25	1500
12	Refrigerators	2	1200	2400	2.4	6	14.4	25	360
13	Ovens	1	1500	1500	1.5	1	1.5	5	7.5
14	Centrifuses	2	850	1700	1.7	1	1.7	5	8.5
15	CC TV DVR	2	40	80	0.08	8	0.64	25	16
16	Street Lights	3	500	1500	1.5	12	18	30	540
17	Borewell Motors	4	1000	4000	4	4	16	30	480
18	Any Other Appliance/s	2	220	440	0.4	2	0.8	30	24

➤ **ENERGY AUDIT REPORT OF THE COLLEGE:**

	Name of the department/ room	Total Energy consumption per month in kWh
1	Administrative Block	1501.56
4	Library	82.23
5	Physics block	20.06
6	Chemistry block	256.6
7	Botany department	236.975
8	Zoology department	232.22
9	Computer lab	1492.7
10	Telugu department	25.72
11	Hindi department	15.0
12	English department	18.52
13	Commerce department	497.45
14	Economics department	104.02
16	Auditorium	218.8
17	TSKC Lab	925.6

Total Energy consumption = 5626.11 kWh

SOUND REPORT OF THE COLLEGE:

S.No.	Name of the department/ room	Sound in dB
1	Office room	56
2	Principal's room	53
3	Exam branch	58
4	Library	43
5	Physics block /Lab	52
6	Chemistry block /Lab	52
7	Botany department /Lab	50
8	Zoology department /Lab	50
9	Computer lab	42
10	Telugu department	50
11	Hindi department	42
12	English department	62
13	Commerce department	54
14	Economics department	66
15	History department	66
16	Class rooms	64
17	Play ground	56

PRINCIPAL
GOVERNMENT DEGREE COLLEGE FOR WOMEN,
KARIMNAGAR, TELANGANA.

File No.CCE-AC/AF/7/2020-ACADEMIC CELL

Proceedings of the Commissioner of Collegiate Education, Hyderabad

Present: Sri Navin Mittal, IAS

Sub: Collegiate Education - Permission accorded to utilize Rs.2,42,30,000/- (Rupees Two Crores Forty Two Lakhs Thirty Thousand only) out of accumulated funds of the college towards construction of additional classrooms 6 Nos. in G+2 and other civil works in the college - Orders issued-Reg.

Ref: 1.Proceedings File No. CCE-AC/AF/7/2020 - Academic Cell dated 01.02.2022
2.Letter from the Principal, Government Degree College for Women, Karimnagar and also Detailed Estimates from TSEWIDC, Karimnagar.

Vide reference 1st cited, sanction was accorded to the Principal, Government Degree College for Women, Karimnagar, to utilize an amount of Rs.2,40,30,000/- towards certain civil works as per the estimates of TSEWIDC, Karimnagar. However, in the subject line, the amount is erroneously mentioned in words as Rupees One Crore Forty Four Lakhs. Further, the work mentioned in Sl.No 4 is Renovation of Urdu Medium Block to the tune of Rs.11.00 Lakhs, whereas the work required is Completion of TSKC and MANA TV sheds (Govt. budget leftover work) difference in working estimate amounting to Rs.13.00 Lakhs. Hence, the revised list of works with total amount aggregating to Rs.2,42,30,000/- (Rupees Two Crores Forty Two Lakhs Thirty Thousand only) is as follows:

Sl.No.	Description of work	Cost (Rs. in lacs)
01	Renovation of canteen building	850000.00
02	Renovation of Physics and Chemistry block (Labs)	260000.00
03	Providing gardening	1750000.00
04	Completion of TSKC and MANA TV sheds(Govt. budget leftover work) difference in working estimate	1300000.00
05	Laying of CC road	2300000.00
06	Construction of open meeting dias	160000.00
07	Providing Flooring in Commerce Dept. Block	580000.00
08	Providing flooring in Admn. Block	130000.00
09	Construction of Conference Hall in 2nd floor with solar roofing	2500000.00
10	Construction of Additional Class rooms(6 Nos. G+2)	14400000.00
	Total	24230000.00

Under the circumstances, the Commissioner of Collegiate Education, Hyderabad, is pleased to accord permission to utilize Rs.2,42,30,000/- (Rupees Two Crores Forty Two Lakhs and Thirty Thousand only), out of the accumulated funds of the college towards the works detailed above duly cancelling the Proceedings issued vide reference 1st cited.

File No.CCE-AC/AF/7/2020-ACADEMIC CELL

The Principal, Government Degree College for Women, Karimnagar is instructed to follow the rules and procedures in vogue and report compliance.

**Signed by D Thiruvengala
Chary**

Date: 07-02-2022 15:23:11

Reason: Approved

For Commissioner of Collegiate Education

To
The Principal
Government Degree College for Women, Karimnagar.

PROCEEDINGS OF THE DISTRICT COLLECTOR (PLANNING) KARIMNAGAR

Present :- Sri R.V Karnan I.A.S.,

Proc. No. Plg.I/82/MPLADS-KNR/2019-20

Dated:28-02-2022.

Sub :- MPLADS-2019-20- 17th Lok Sabha- **Sri Bandi Sanjay Kumar, Hon'ble M.P(LS)**
- Karimnagar Parliamentary Constituency has proposed (4) works with an estimated cost of Rs.21.45 lakhs in Karimnagar Parliamentary Constituency - According Administrative sanction - Orders- Issued :

Ref :- 1 MPLADS guidelines June, 2016.
2 Sri. Bandi Sanjay Kumar, Hon'ble MP, Karimnagar P.C. advice Lr.No. BSK.MP/LS/Karimnagar Lr.No.2021/MPLADS-32, Dt. 28.01.2022

ORDERS:

Sri Bandi Sanjay Kumar, Hon'ble M.P (LS) Karimnagar Parliamentary Constituency vide reference 2nd cited read above has proposed for sanction (4) works with an estimated cost of Rs.21.45 lakhs under MPLADS for the year 2019-20 of Karimnagar Parliamentary Constituency is as follows.

(Rs.in lakhs)

SI No	Municipality/ Mandal	Ward/ Village	Description of the work	Locality (SC/ST/ General)	Estd. Cost	Executive Agency
1	2	3	4	5	6	7
1	Karimnagar Rural	Muqdumpur	Construction of Community hall near H.No.3-88	Gen	5.00	DPRE PIU Division, Karimnagar
2	Karimnagar Rural	Cherlabhukur	Extension of supply for Street Light purpose by erection of 1.6 KM LT AB Cable on SS-107/15KVA, SS-108/63KVA &SS-109/63 KVA DTR's at Cherlabutkur (v) Operation section Muqdumpur of Karimnagar Rural Sub Divisional	Gen	1.50	SE NPDCL, Karimnagar
3	Karimnagar Town	57 th Division	Laying of CC Road and Precast Concrete Blocks at Mee Seva Center Building, Chaitanyapuri Colony in Division No.57	Gen	4.95	Commissioner, MC, Karimnagar
4	Karimnagar Town	Karimnagar Town	Erection of Solar Power Generation System (SPGS) at <u>Government Women's Degree College, Karimnagar</u>	Gen	10.00	DM, TSREDCO, Karimnagar
			Total		21.45	
		Add	2% contingency expenditure		0.42900	
			Grand Total		21.87900	

Accordingly, administrative sanction is hereby accorded for above said (4) works with an estimated cost of Rs.21.45 lakhs (Rupees Twenty one lakhs and forty five thousand only) and 2% Contingent Administrative expenditure of Rs.0.42900 lakhs Totally Rs.21.87900 lakhs under MPLADS for the year 2019-20 of Karimnagar Parliamentary Constituency and entrusted to DPRE PIU Division, Karimnagar, Commissioner, Municipal Corporation, Karimnagar and DM TSREDCO, Karimnagar for execution.

The DPRE PIU Division, Karimnagar, SE, NPDCL, Karimnagar, Commissioner, Municipal Corporation, Karimnagar and DM TSREDCO, Karimnagar are directed to furnish detailed estimates to the District Collector (Planning), Karimnagar and they are directed to execute the works duly following the guidelines of MPLADS and established procedure (Departmental procedure prescribed by the State Govt.) communicated from time to time. The normal financial and audit procedure would apply to all actions of the Executing Agencies under the Scheme. **If the community halls are constructed in the private lands the executing agency should get the relinquishment certificate and also obtain formal agreement from the land owner before grounding of the work and such assets created would be vest in the Government.**

Further the DPRE PIU Division, Karimnagar, SE NPDCL, Karimnagar, Commissioner, Municipal Corporation, Karimnagar and DM TSREDCO, Karimnagar are should adhere to the following instructions strictly while executing the work.

1. **The Executive Agencies should submit the Detailed Line Estimates before Technical sanction of the above sanctioned works to Chief Planning Officer, Karimnagar.**
2. The Executing Agencies should ensure before grounding that the works sanctioned under current proceedings were not taken up by any Executing Agency under any other scheme till now and detailed estimates of work should be submitted to the Collector (Planning), Karimnagar before grounding works.
3. The execution of works shall be commenced only after receipt of the funds from Chief Planning Officer, Karimnagar.
4. The Executing Agencies should inspect the spot, before execution of the work and furnish their inspection reports along with technical sanction to the Chief Planning Officer, Karimnagar. Further Executing Agency should get the advance commitment from the user agency about operation, upkeep and maintenance of the proposed assets before execution of the work.
5. The works should be executed strictly as per Technical sanction and **completed within maximum period of (6) months for drainage and road works and (9) months for building works** without creating any spill over work and no deviation to the nomenclature of work of the administrative sanction, accorded. If the work is not completed within the stipulated time suitable action will be taken against implementing agency.
6. If the works sanctioned, are proposed in private lands obtain formal agreement and relinquishment certificate in respect of the land, in favour of the government from the beneficiary organization before grounding the work and the ownership of such assets created would vest with the government. In case of private lands, without collecting relinquishment certificate from the beneficiary organization, works should not be grounded otherwise Executing Agencies are personally held responsible for lapse.
7. The transaction of Sale/ Transfer/ Disposal of the assets created from out of MPLADS fund in Private lands, shall not be under taken.
8. **The funds released under MPLADS (17th Loksabha) should be maintained in a separate account with Nationalized banks for each Hon'ble M.P Separately.**
9. **Sign boards carrying the inscription of "MPLAD works" with the name of the M.P are erected at site. The Hon'ble M.P concerned shall invariably be invited well-in-advance for inaugural function of the work.**
10. The work wise progress report mentioning with SC., ST area should be sent to the Chief Planning Officer, Karimnagar on fortnightly basis i.e., in 2nd & 17th of every month.
11. After completion of the work the Utilization Certificate along with unspent balance including interest accrued thereon be sent to the Chief Planning Officer., Karimnagar within (30) days from the date of completion of each work.
12. **Photographs should invariably be taken before and after execution of work and sent to Chief Planning Officer, Karimnagar.**
13. The Executing Agencies should submit work completion report on the prescribed proforma work wise immediately after completion of the work.
14. The Assets that are created under MPLADS should be handed over to the user Department or Gram Panchayath/ Municipal Commissioners concerned, after completion of such assets as they are the custodian of the assets and they should maintain the assets. The created assets should not be used for rent purpose and commercial purpose.
15. Funds provided under the scheme shall not be used for incurring revenue expenditure or for any other purpose except for execution of the works sanctioned under this scheme.

The Chief Planning Officer, Karimnagar is requested to release the funds to the Executing Agencies from MPLADS funds of Sri Bandi Sanjuay Kumar, Hon'ble MP(LS) Karimnagar P.C for the year 2019-20 after receipt of the funds from the GoI and on receipt of inspection report through concerned executing agencies and technical sanction of works and collect U.Cs along with unspent balance including interest amount from the Executing Agencies concerned.

The Chief Planning Officer, Karimnagar is authorized to incur contingent expenditure as per guidelines issued by the Department of Programme Implementation New Delhi and maintain a separate account for the expenditure incurred out of 2% of contingent amount and is subject to regular audit.

**Sd/-
District Collector,
Karimnagar**


To,
The DPRE PIU Division, Karimnagar
The SE NPDCL, Karimnagar
The Commissioner, Municipal Corporation, Karimnagar
The DM TSREDCO, Karimnagar

Copy submitted to Sri Bandi Sanjay Kumar, Hon'ble M.P(LS) Karimnagar Parliamentary Constituency, H.No.2-10-1525,Jyothinagar,, Karimnagar-505001.

Copy submitted to the Director, MPLADS Ministry of Statistics & Programme Implementation, 211-Sardar Patel Bhavan, New Delhi for information.

Copy to SA.-2 section for information.

// Attested //


Chief Planning Officer,
Karimnagar



Proposed Rooftop Location for Solar power Generation Panels

