



GOVERNMENT DEGREE COLLEGE

JAMMALAMADUGU - 516434



AFFILIATED TO YOGI VEMANA UNIVERSITY,

Accredited by NAAC with 'C++' GRADE

Principal - Dr.G.Chandra Sekhar M.Sc.,M.Phil.,Ph.D

9398438169,9440419368,08560-200065 College website: www.gdcjammalamadugu

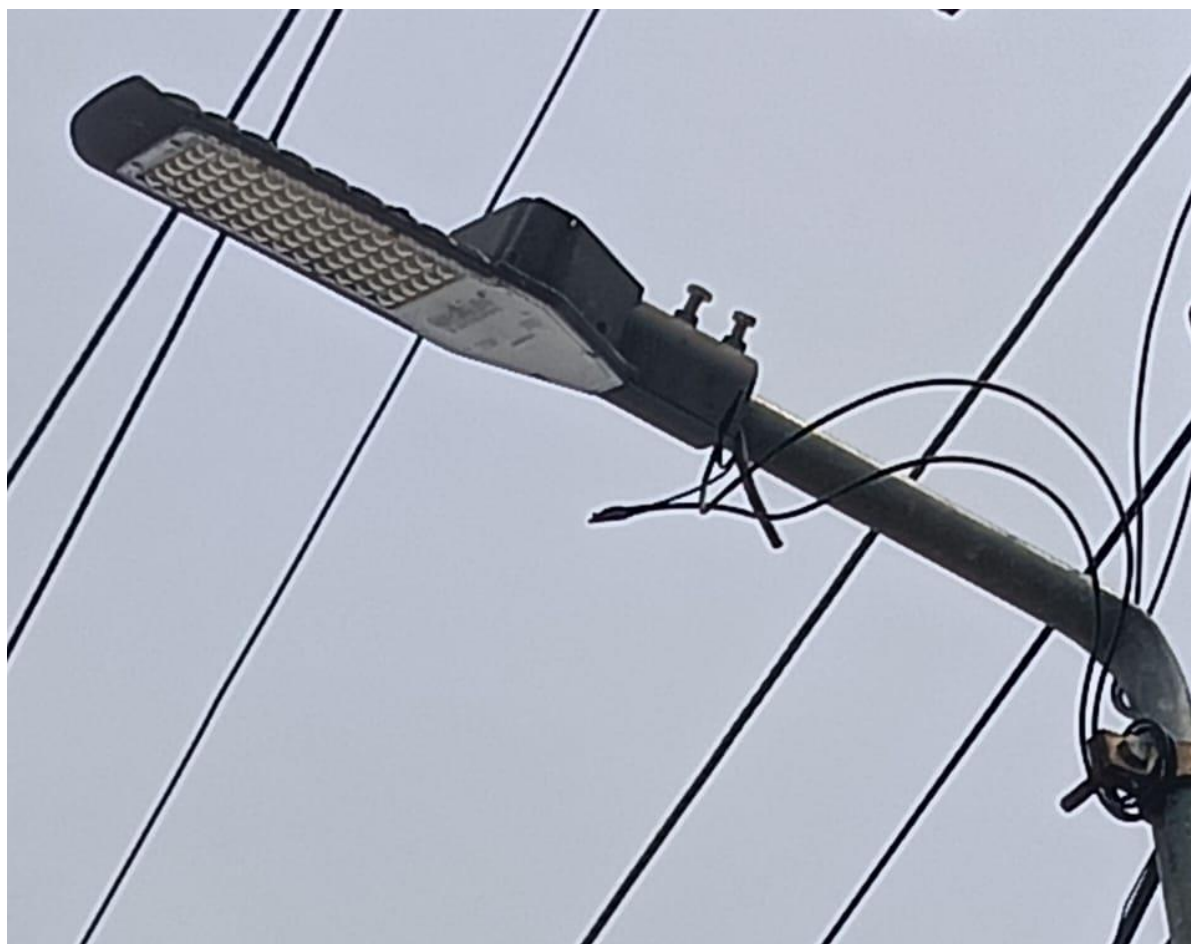
JKC E-Mail : jammalamadug.jkc@gmail.com

7.1.2 The institution has facilities for alternate sources of energy and energy conservation measures

1.Use of LED bulbs/ power efficient equipment

LED LIGHTS IN CAMPUS

Use of LED bulbs/ power efficient equipment. The college management has provided following facilities in conserving the energy and power efficient equipment Master Switches for each Room to shut down power of entire room when not in use. CRT monitors are replaced with LCD/LED Monitors. The CFL fittings with higher rating wattage are replaced with LED fittings with lower wattage with the same luminous level in street Lights and other possible areas of Campus. Energy Star certified products installed in the campus are air conditioners, refrigerator, ceiling fan and others.



2. The facilities in the institution for the management of the following types of degradable and non-degradable waste.

1.Solid waste collection

Distributed solid waste collection points at the multiple corners of the campus
Centralized Common warehouse for solid waste gathering and sorting

Paper waste collection and sorting centre

Plastic waste sorting and storing centre

Waste Management

The e-waste is limited in the campus by maintaining as own repair centre for computer and computer-based items. The computer maintenance and repair is centralized for better coordination and all the repair or non-operating complaints are streamlined through google forms and the report of the repair service is monitored.

The irreparable systems are discarded and the usable parts are used for the replacements. The discarded parts of the systems and other electronic equipment are sold out to vendors for their own recycling process.



Figure: Plastic waste management at GDC JMD Campus

Waste recycling system

The waste recycling system consisted of

1. Reduce and Reuse strategies
2. Bio-recycling system of the wastes with life stock
3. Waste water recycling system

1. Reduce and reuse strategies

These are the very effective strategies implemented with full support of the students. The non-renewable energy is reduced to a minimum with conscientisation of the staff and students. The plastic wastes reduced considerably with plastic ban of June 2018. The single use items are discouraged for all functions and steel plates and Templers are used in the campus. The Note book reuse is encouraged. Dust bin is distributed with Green Clean campus awareness.

2.Bio-recycling system of the wastes with life stock

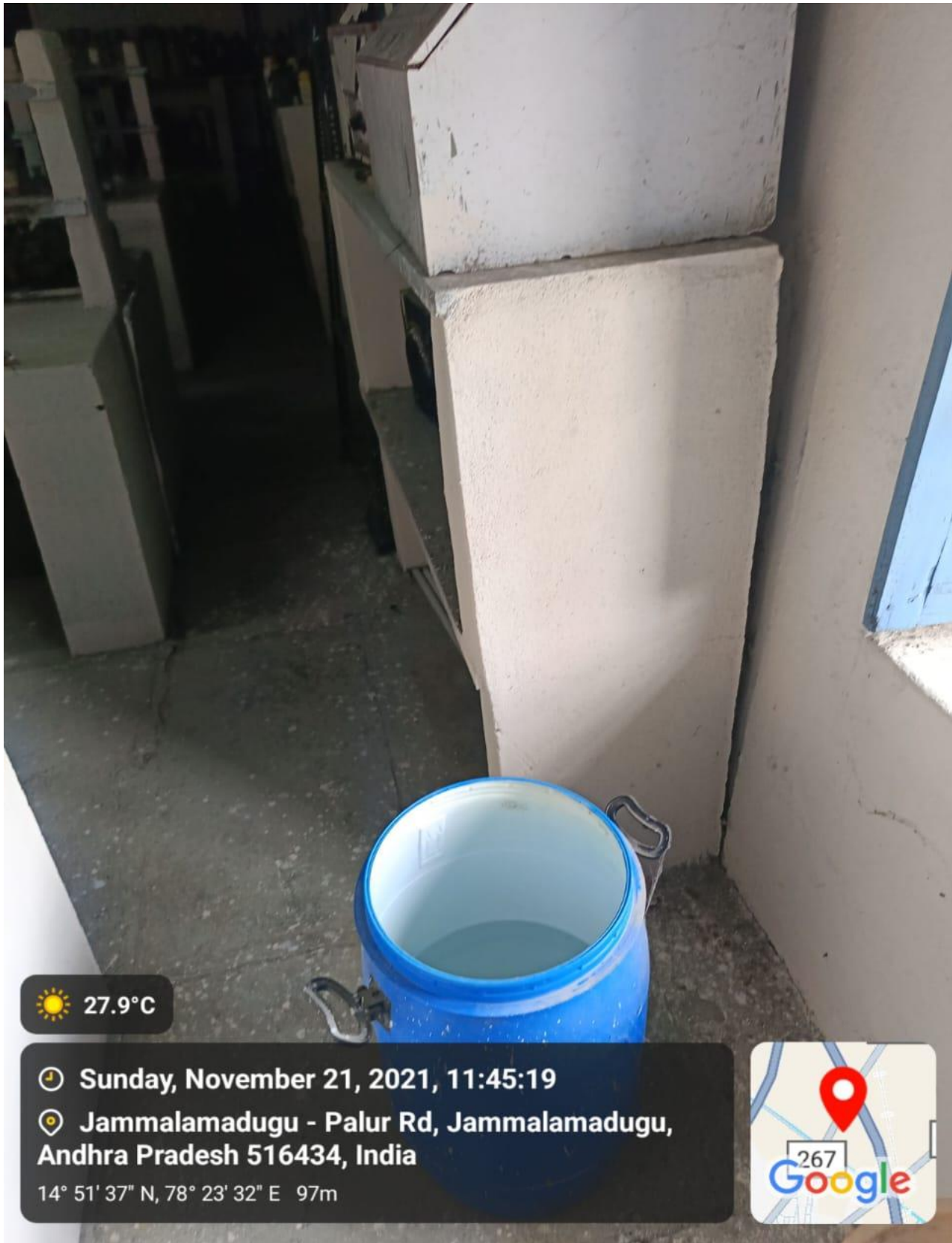
The livestock waste is major source of noxious gases, harmful pathogens and odor; hence, it has public health and environmental concern. Hence, livestock waste is to be managed properly to mitigate production of these pollutants in order to protect environment. Proper utilization of livestock waste into biogas, compost and vermicompost making can be very useful to increase crop yield and sustainability. The work carried out regarding livestock waste management and value addition in some developed and some developing countries have been reviewed. India and China are the two leading Asian countries using biogas technology.

3.Waste water recycling system

The water after the purification process is used for gardening, agricultural purpose, and cattle feed cultivation. The one side printed papers used for further use, the waste note books collected to use the note pads. The usable electronic components are used as spares for repair. The leaves and other bio-wastes are used for producing manure.

Rain water harvesting

Generally speaking, it is a process used for collecting and storing rainwater for human use. Rainwater harvesting is best described as the technique by which rain water is accumulated and stored with the intention of reusing it during the dry season or when there is a drought. With rapid climatic changes, increase in global temperature and population growth, there is a scarcity of potable water in many countries across the world. The gradual falling of water levels, are a cause of serious concern not only because it leads to shortage of usable water but also because in coastal areas it causes imbalance in salinity of the area.



27.9°C

🕒 Sunday, November 21, 2021, 11:45:19

📍 Jammalamadugu - Palur Rd, Jammalamadugu,
Andhra Pradesh 516434, India

14° 51' 37" N, 78° 23' 32" E 97m





GREEN CAMPUS INITIATIVES

1. Title of the Practice: Green Practices

2. Objective of the Practice:

- To reduce pollution and create a positive impact on environment.
- To protect bio-diversity for the well-being of nature which helps people to lead a life that is healthy and serene.
- To protect environment and sustain its natural resources for present and future generation.

3. The Context:

The catastrophic problems of pollution if unchecked lead, gases of CO₂ , CO , CH₄ , Nitrogen oxides and Sulphur oxides harmful effect on environment which in turn will affect bio-diversity and well being of nature. As our college is located by the side of state highway, it is also prone to be affected by pollution emitted by various sources. Moreover, the college campus is spread over an area 10 acres with requisite features to make it as a green campus.

4. The Practice:

Keeping the above context in view, our college initiated environmental friendly practices such as usage of public transport, maintaining the college campus plastic free, reducing paper usage and more plantations on college campus.

- No plastic day observed in our college by the students and faculty on 4th Saturday in every month.

Most of the staff and students use public transport for commuting. In addition, no vehicle day is being on 3rd Saturday of every month.

Both staff and students are instructed to get reusable water bottles and reusable lunch boxes thus restricting them from getting single use items and make sure that all waste goes to the dust bins instead of throwing in public places.

The college conducts rallies and sensitization programs to bring awareness among public health hazards caused due usage of plastics.

As the world is being digitalized, paperless these activities put into practice since October 2014

Methods are adopted by communicating circulars through mails and whatsapp group



5. Evidence of Success:

The success is evident at a glance of vast green campus, pollution free campus.

6. Problems encountered and Resources required

➤ Our modern conveniences are great problems to follow the above green practices like usage of public transport, maintaining the college campus plastic free, reducing paper usage. However,

the sensitization and awareness programs made the stake holders (faculty and students) to shoulder the responsibility of following vehicle free day plastic free campus.

➤ Resources required to sustain green practices are public transport, bio-fertilizers , organic fertilizers, re-usable traditional containers , bottles to transform campus to plastic free and fencing for saplings to protect from herbivorous animals.







Vidya Bharati Shaikshanik Mandal, Amravati's

VIDYA BHARATI MAHAVIDYALAYA, AMRAVATI

Affiliated to Sant Gadge Baba Amravati University, Amravati

NAAC Re-accredited with Grade "A" (CGPA 3.26-Second Cycle)

CPE Status (Third Time) by UGC,

Mentor College under Paramarsh Scheme by UGC

'Lead College' by S.G.B. Amravati University, Amravati

ISO Certification: 9001:2015 and 14001:2015

Website: vbmvm.org

Policy Document On Environment and Energy Usage



Policy Document
On
Environment and Energy Usage

The Environment and Energy usage Policy of Vidya Bharati Mahavidyalaya, Amravati is to manage energy in such a systematic way so as to minimize its impact on the environment. The policy implies to explore the renewable energy resources to reduce the burden of the government and to find out substitute natural resources as solutions to the energy crisis.

This environment and energy policy is binding for all the components of the institution and applies to all its stakeholders and to the various activities undertaken by the institution. It will help us to embed efficiency and environmental awareness into our everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources and to limit its usage. **The Enviro Club**, an official platform devoted to the cause of environmental awareness, to undertake green initiatives, and to conduct green literacy programmes to save energy and to protect the environment.

Policies:

- To assess our energy usage and measure its impact on the environment.
- To count CO₂ emissions generated by our means of transportations- vehicles.
- To reduce local air pollution emissions using environment-friendly vehicles, including bicycles, public transportation and use of pedestrian-friendly roads.
- To install photovoltaic solar panels for the generation of alternate energy.
- To install LED bulbs in the complete campus to save energy.
- To develop systematic waste management mechanism.
- To develop rain water harvesting unit.
- To undertake tree plantation drive.
- To take additional measures to continuously improve our energy consumption.
- To develop and maintain an environmental management system which is ISO: 14001 and an Energy Management System based on ISO: 50001.
- To ensure the availability of necessary resources to achieve our objectives.
- To encourage use of advanced technology to minimize energy consumption, atmospheric emissions and noise, particularly from our vehicle fleets.
- To engage in dialogue with the government agencies, municipal corporation and the affiliating university and actively work with the local organizations in the areas of environment, energy efficiency and sustainable development.
- To monitor and respond to emerging environmental and energy issues. To strengthen

our employees' and students' environmental knowledge and skills in order to improve our own environmental performance.

- To provide information and training opportunities on energy saving measures.
- To offer opportunities for employees and students to engage in initiatives those contribute to environmental protection.
- To train our employees and students through our Enviro Club to make them '**Go Green Specialists**' and partners to plant trees each year.

This policy will be communicated to the students and employees via internal communication channels, and will be made available to all the stakeholders on the institutional website. The Environment and Energy Policy, objectives and targets will be reviewed on a regular basis by the Enviro Club Convener and its members under the guidance of the Principal of the college.


Dr. R. M. Patil
Co-ordinator
Internal Quality Assurance Cell
Vidya Bharati Mahavidyalaya
Camp, Amravati-444 602 (M.S.)




PRINCIPAL
VIDYA BHARATI MAHAVIDYALAYA
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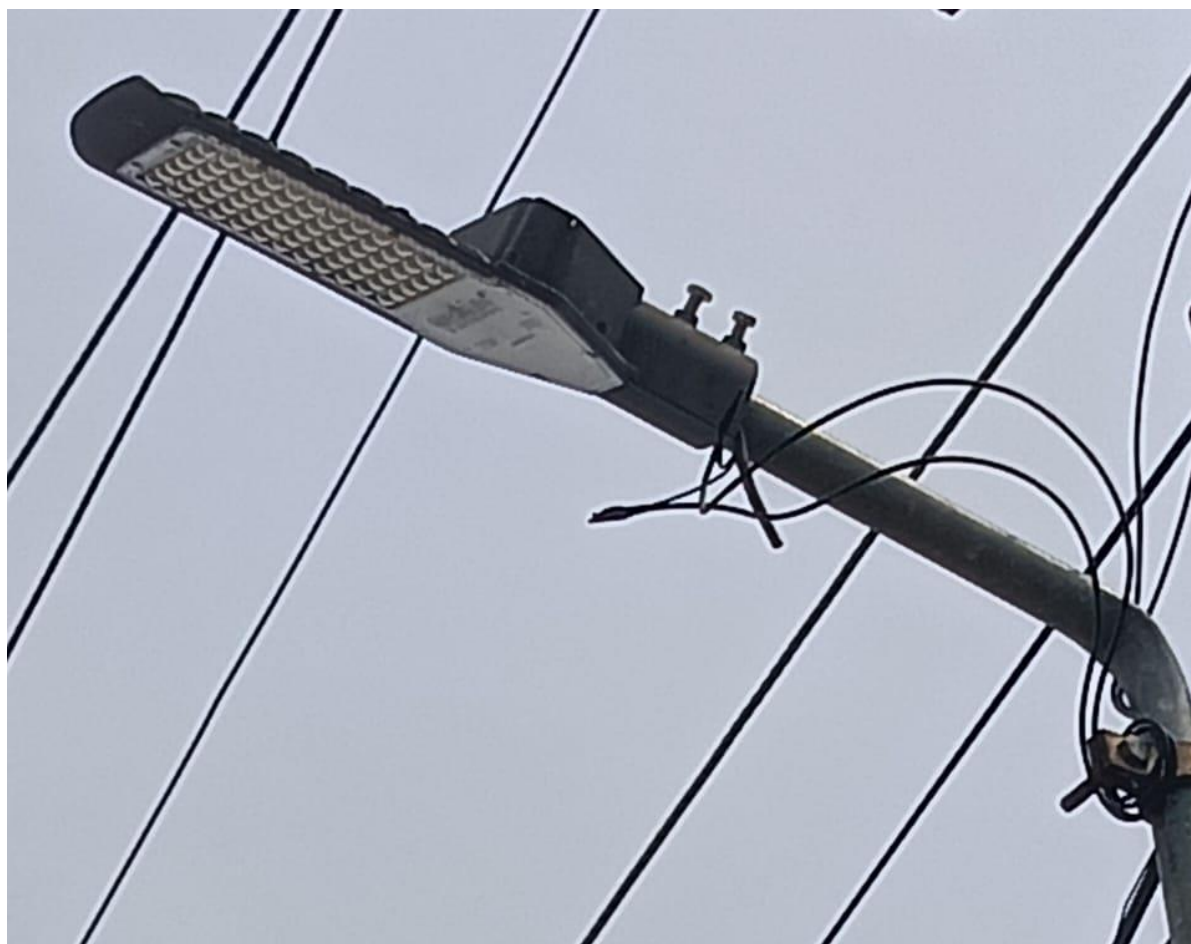
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7.1.2 The institution has facilities for alternate sources of energy and energy conservation measures

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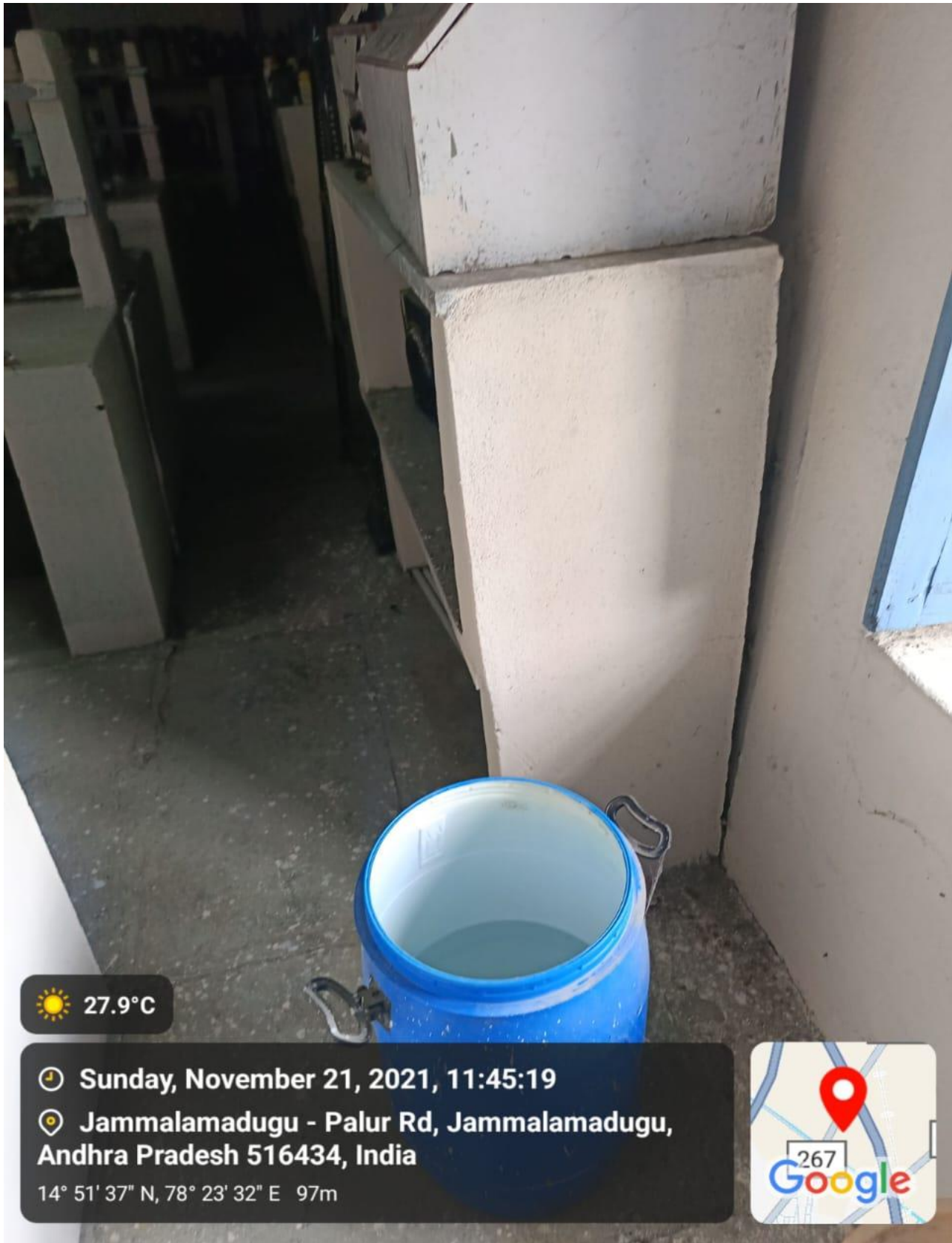
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<https://drive.google.com/file/d/193Qw-WSnnBGkr4KRgReTgS3dR1RnwfRs/view?usp=sharing>