

SRI V.S.SIVALINGAM CHETTIAR GOVERNMENT DEGREE COLLEGE
SULLURPET, TIRUPATI DISTRICT, ANDHRA PRADESH

7.2 BEST PRACTICES

7.2.1 Describe two best practices successfully implemented by the Institute as per NAAC format provided in the manual

- **POLICY DOCUMENT ON ENVIRONMENT AND ENERGY USAGE**
- **RAIN WATER HARVESTING**
- **GREEN CAMPUS INITIATIVES**
- **ISO CERTIFICATES**

SRI V.S.SIVALINGAM CHETTIAR GOVERNMENT DEGREE COLLEGE
SULLURPET, TIRUPATI DISTRICT, ANDHRA PRADESH

Policy Document on Environment and Energy Usage

The Sri V S Sivalingam Chettiar Government Degree College in Sullurpet, Tirupati District, has an environmental and energy usage policy that aims to manage energy in a methodical manner while minimising environmental impact. In order to reduce the burden on the government and address the energy crisis, the policy suggests examining renewable energy sources. It also suggests identifying natural resources that can be used in place of conventional ones. All parts of the institution are required to abide by this environmental and energy policy, which also covers all of the stakeholders and the institution's various activities. As a result, we will be better able to understand our obligations to protect the environment and conserve natural resources. It will also help us integrate efficiency and environmental awareness into our daily activities. The college's NSS and Echo Club are well-known for promoting environmental awareness, carrying out green initiatives, and delivering green education programmes in an effort to save energy and protect the environment.

Objectives

- To reduce the carbon dioxide emissions produced by the vehicles that we use for transportation. Utilizing environmentally friendly transportation methods, such as bicycles, public transportation, and pedestrian-friendly roads, to lower local air pollution emissions
- To put the no vehicle day into effect once a month.
- To install photovoltaic solar panels to create alternative energy.
- To save energy, install LED lighting throughout the campus.
- To create a system for collecting rainwater.
- To organise a number of tree-planting campaigns.
- To create and maintain an energy management system based on ISO 50001 and an environmental management system based on ISO 14001.
- To promote the use of cutting-edge technology to reduce energy use, atmospheric emissions, and noise, particularly from our vehicle fleets.
- To actively work with local organisations in the areas of the environment, energy efficiency, and sustainable development.

- To offer training opportunities and information on energy-saving techniques.
- To provide opportunities for both staff and students to participate in activities that promotes environmental protection.
- To educate our staff and students through Echo Club, so they can become Go Green Specialists and collaborators in planting trees each year.
- To ensure the availability of resources needed to achieve objectives.

With the assistance of the college principal and coordinator IQAC, the convener of the Echo Club, the NSS Programme officer, and its members will regularly review the environmental and energy policies, objectives, and targets.



PRINCIPAL .
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SULLURPET - 524121,
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Rain Water Harvesting

Objectives

Rainwater collected from rooftop run-offs will be used to recharge groundwater by capturing and storing rainwater.

The Context

Because of the significant increase in daily water demand among the rapidly growing human population, there is a huge opportunity to capture rainwater to fulfil water scarcity while avoiding the degradation of normal groundwater levels. Rainwater harvesting has the benefit of directing unwanted or extra water down the aquifer to recharge the groundwater level.

The Practice

Rainwater collection is a cost-effective and environmentally friendly strategy. It is a green practise because it preserves groundwater levels while charging the aquifer. A community development programme can help to promote this environmentally friendly practise. When rainwater and run-off water are strategically stored, they can protect the land from soil erosion and flooding while also recharging aquifers and raising groundwater levels. As a result of widespread and unplanned use, groundwater has become contaminated and unfit for use. Rainwater and runoff water could be collected and stored for future generations to use. Rainwater harvesting is both eco-friendly and cost-effective.

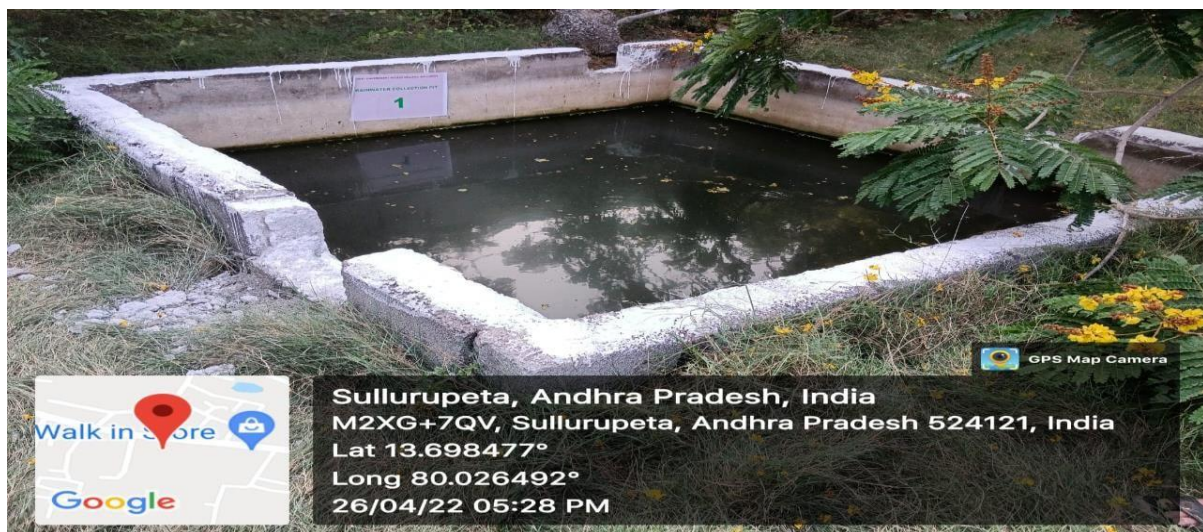
The cost of digging a catchment area can be reduced by collecting rainwater on the roof. The catchments and settlement tanks act as natural coolers, removing heat from the ground. The best part about rainwater harvesting is that if it goes unused, it can be collected in natural ponds or man-made tanks and decanted to the ground, charging a water supply.

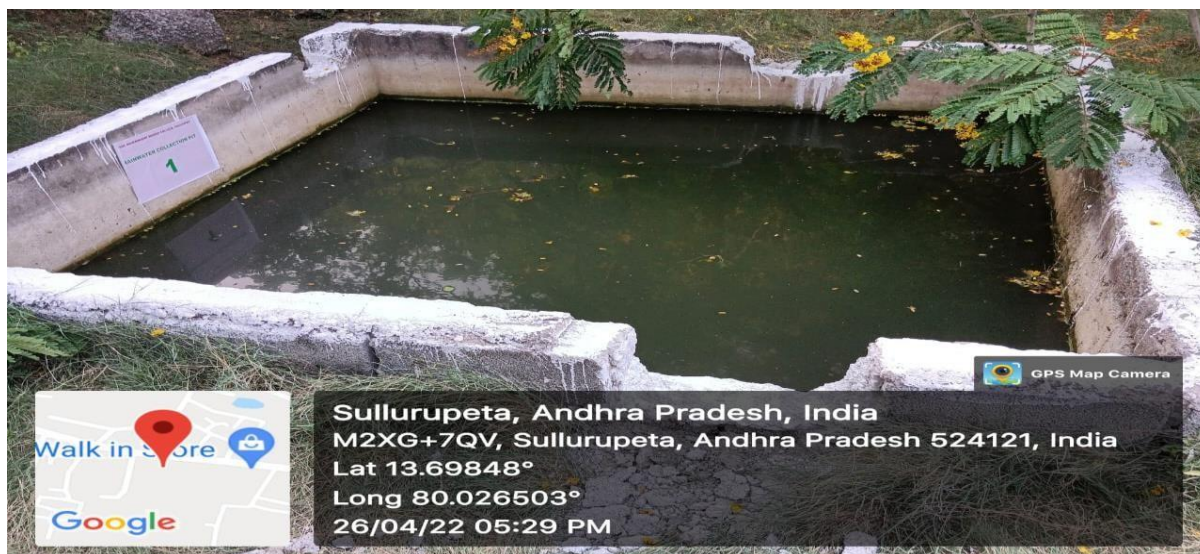
Evidences of Successes

SVSSC Government Degree College has three rainwater harvesting pits in the north-east, middle of the north –east and north-west corners. Roof runoff water is collected and stored in wells via network lines. The remaining runoff water from the roof is allowed to recharge the earth. The ground water level is steadily rising in and around the college premises.

Problems Encountered and Resources Required

- Rainwater harvesting systems must be maintained on a regular basis to avoid infestations from rodents, mosquitoes, algae growth, insects, and lizards
- If they are not properly maintained, they can become breeding grounds for a variety of animals







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Green Campus Initiatives

Objectives of the Practice

- To raise environmental awareness among students, faculty, and the general public
- To achieve better campus sustainability and to improve the quality of life for all stakeholders
- To conserve water resources by collecting rainwater
- Planting rare and medicinal/herbal plants on college grounds
- To make use of renewable energy sources, particularly solar energy
- To promote and carry out the Swachh Bharat Abhiyan for a healthy India
- To research and care for the flora and fauna on the college campus

The Context

A clean environment is essential for human health and efficiency. Their primary goals are to impart knowledge, raise awareness, and foster a caring attitude, as well as to develop the necessary skills to deal with environmental issues and challenges. College landscaping is an essential feature for shaping and maintaining an environmentally friendly campus. The college is set on 4 acres of lush green space.

The Practice

- The college has created a beautiful campus complete with lawns and a botanical garden
- On the college campus, three bore well recharge pits are being constructed to collect rainwater
- Solar energy is one of the renewable energy sources used by the college
- The college has installed a solar power generation plant with a capacity of 20 KVA
- The campus's flora and fauna have been preserved
- On college campuses, signboards or posters promote the idea of a plastic-free campus

- Environmental sensitivity and noise pollution
- The college organises environmental seminars, workshops, and other event
- LED bulbs are used in college buildings to save energy, which is an important consideration in college buildings.

Evidence of the Success

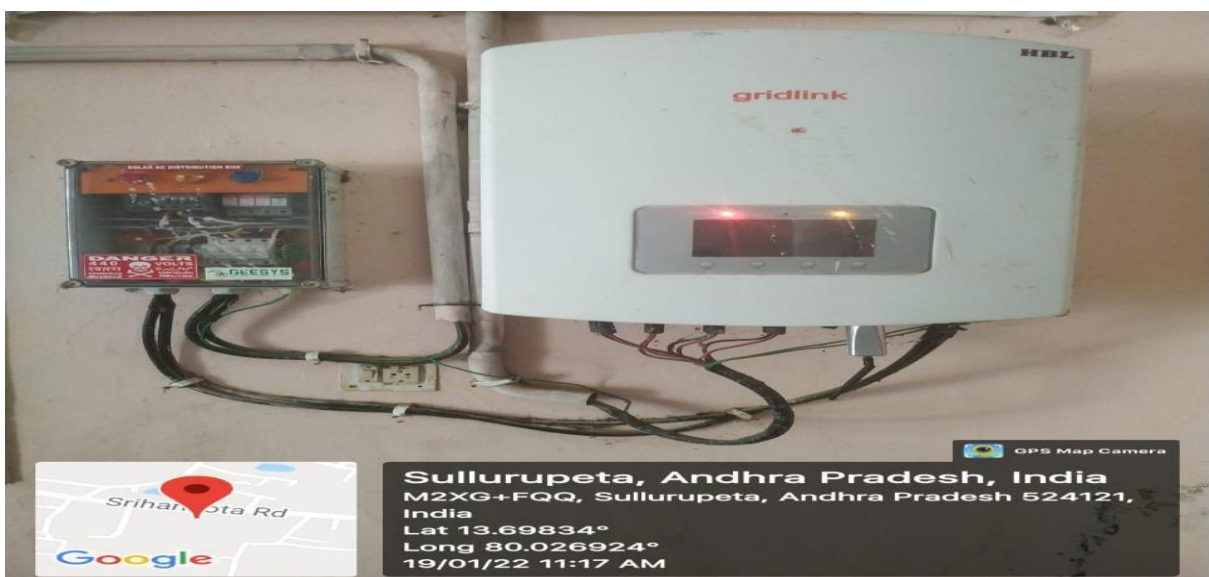
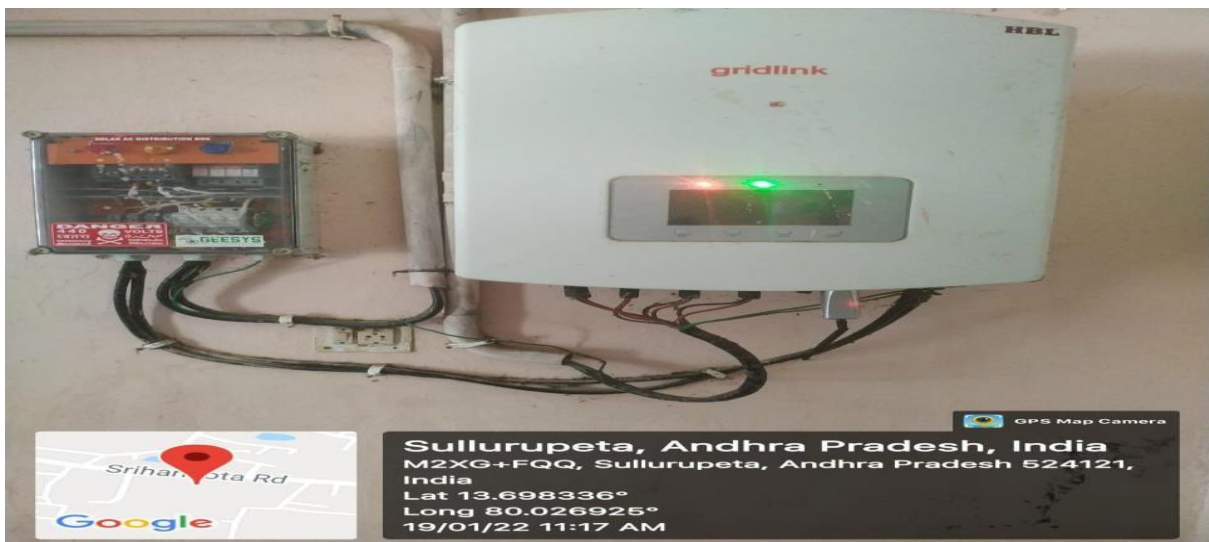
- The following activities have demonstrated the effectiveness of this best practise.
- The campus's flora and fauna have been improved as a result of regular tree plantings, resulting in an environmentally friendly campus.
- Solar energy is only used to meet a portion of the total demand.
- Plastic-free campus awareness campaign utilising campus-made signboards and display boards
- Workshops/seminars/NSS activities are used to educate students about these issues.
- There are also environmental concerns.
- A green audit and an energy audit are performed on a regular basis on the campus. ISO certificate for the academic year 2021-22 have been received.

Problems Encountered and Resources Required

The following issues arise while carrying out this practise.

- Green Campus initiatives are challenging, so perseverance and long-term commitment from all stakeholders are required.
- The Green Campus initiative is an expensive practise. It necessitates expert advice as well as a financial investment
- Sufficient manpower is required to keep them operational.
- Students and the general public have a poor understanding of environmental issues.











A handwritten signature in green ink, likely belonging to the Principal, is positioned above the printed name.

PRINCIPAL .
Sri VSSC Govt. Degree College
SULLURPET - 524121,
Tirupathi Dt, (AP)



Certificate

HYM International Certifications Pvt. Ltd.

**Certified that the Energy Management System of
SRI V.S. SIVALINGAM CHETTIAR GOVERNMENT DEGREE COLLEGE**

**Sullurpet, Tirupati Dist - 524 121,
Andhra Pradesh, India**

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

ISO 50001 : 2018

for the following scope of certification

IMPLEMENTATION OF ENERGY SAVING PRACTICES

Further information about the scope of this certificate and applicability of ISO 50001 : 2018 requirements may be obtained by consulting the organization.

Issue Date : 18/12/2021

Renewal Date : 17/12/2024

1st Surveillance 17/12/2022



2nd Surveillance 17/12/2023



Authorised Signature

Certificate No : **En9186414047**

HYM International Certifications Pvt. Ltd

NOTE: This Certificate is Valid From 17/12/2022 to 17/12/2023

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



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**Sullurpet, Tirupati Dist - 524 121,
Andhra Pradesh, 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

IMPLEMENTATION OF GREENERY AND ENVIRONMENTAL PROMOTION ACTIVITIES

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

Issue Date : 18/12/2021

Renewal Date : 17/12/2024

1st Surveillance 17/12/2022



2nd Surveillance 17/12/2023



Authorised Signature

Certificate No : **E91864140135**

HYM International Certifications Pvt. Ltd

NOTE: This Certificate is Valid From 17/12/2022 to 17/12/2023

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