



# A.M. REDDY

Memorial College of Engineering and Technology

Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada

SPONSORED BY

ATLURI MASTAN REDDY EDUCATIONAL SOCIETY, REG. NO. 450/2003

An ISO 9001:2015 Certified Institution

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The present-day need and trend is utilizing green sources of energy to reduce carbon footprints and create a sustainable future. In this regard, the Indian government is also encouraging the same with subsidies. Better late than ever, it's time to protect nature by utilizing green energy in place of fossil fuels. In this aspect, AM Reddy Memorial College of Engineering and Technology has taken the lead in reducing carbon emissions.

The college has a G+3 building with spacious classrooms, laboratories, wide corridors, and stairs on every floor. Other than these, there are staff rooms, a library, five audio-visual rooms, one spacious multipurpose hall (used for various events), administrative blocks, canteen, separate common rooms for student's toilets. The non-LED lights are gradually being replaced by LED tube lights and spotlights, with the goal of making the college fully energy-efficient.

The Institution has facilities for

#### **1. Alternate sources of energy and energy conservation measures are:**

- Most of the class rooms are well ventilated and allow broad day light without a need for any artificial lighting.
- All the classrooms, laboratories, seminar halls and washrooms use LED lights which reduces the consumption of electricity overall.
- Lights and fans are switched off after completion of the classes so that the use of electricity can be minimized.
- All the Air conditioners (ACs) which were more than ten years old were replaced by new better energy efficient ceiling mounted Inverter based split ACs of 1, 1.5 and 2 TR. These ACs are of 5 star ratings based on usage.
- All computers installed at different sections of the college have LED monitors. It helps in conservation of electricity.
- We installed solar street lights in the campus as college is located in overly warm place so that the natural solar energy is being utilized effectively.
- In most of the rooms and offices, new wiring works have been taken in the place of old wiring to minimize transmission loss.
- To remind the importance of power savings amongst the students, they were instructed to "Turn off" lights and fans while they come out of the class rooms and "unplug instruments" when not in use.
- Every evening, the watchman will go around the college to verify whether all the lights and fans have been switched off or not.



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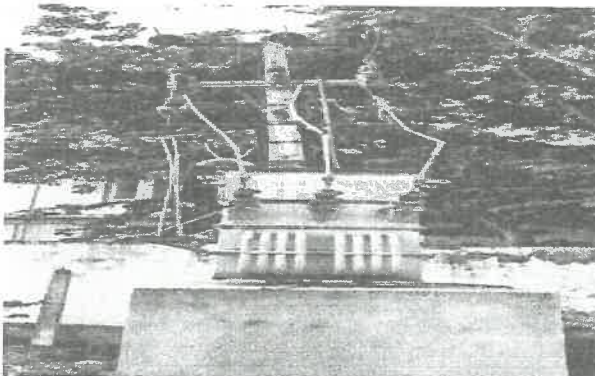
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Photos of Solar street lights, LED monitors, LED lights in seminar halls, class rooms, office rooms, Principal room and Board room etc.



LED bulbs are used in seminar hall



Power input from APSEB



LED street lights at the entrance gate



LED bulbs at the board room



Solar panel for bore well and street lights

*Principal*  
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