

Solar Led Street lights in KIET campus

Solar Light Illumination

KIET campus is modified with solar lighting system that is primarily guided by renewable energy, **sunlight**. The management has identified this solar light illumination as one of the most effective solutions that can assist us in curbing the rising environmental problems.

Establishment of the Solar light illumination at KIET campus enhances the security while fulfilling the illumination needs of a space in an efficient and sustainable manner. It is a green alternative to all the lighting solutions with APSEB power.

Solar lighting systems consist of SUNLUX SLSSL-SEMI-15W-12AH STREET LIGHT WITH 40 WATT PV PANEL responsible for converting sunlight into electrical energy. This energy is then stored in the batteries and eventually used by the set of LEDs at night in the campus.

The key benefits associated with Solar Light lighting at KIET campus are as follows:

1. Eco-friendly

Solar lighting nothing but renewable energy source ie it depends on Sun light. This is one of the biggest benefits associated with solar lighting as it encourages sustainability while saving a substantial amount of Andhra Pradesh State Electricity energy. Solar panels typically charge the batteries during the day and the controller powers the LED light using the energy reserve. This process of charging in daylight and illuminating at night repeats every day. Furthermore, the solar

lighting solutions also help in reducing the carbon footprint created with the utilization of non-renewable energy.

2. Energy independent

The Solar light illumination at KIET Campus use solar panels to convert solar energy into electricity and store this energy for illuminating the light panels during night. They do not rely APSEB power and provide the users with complete control of the solar powered lights. In fact, solar lighting is a self-sufficient lighting solution that functions even in the times of power failures from APSEB

3. Cost effective

Establishment of Solar system is expansive in the beginning and can save a substantial amount of money in the long run which we are paying against APSEB bills. For instance, people can easily recover the cost of installation within months in the form of savings.

4. Low maintenance

The Solar light illumination at KIET Campus need low maintenance and ensure endurance. What is required here is just few checkups and cleaning throughout the year. Moreover, they are typically powered by LED luminaries that are known to have a long life of more than 50,000 hours.

The Solar light illumination systems pave way for a sustainable future and can significantly help in easing the problem of energy crisis. For this reason, the Government of India, Government of Andhra Pradesh also offers subsidies and other incentives for encouraging the installation of solar panels in the Campus.

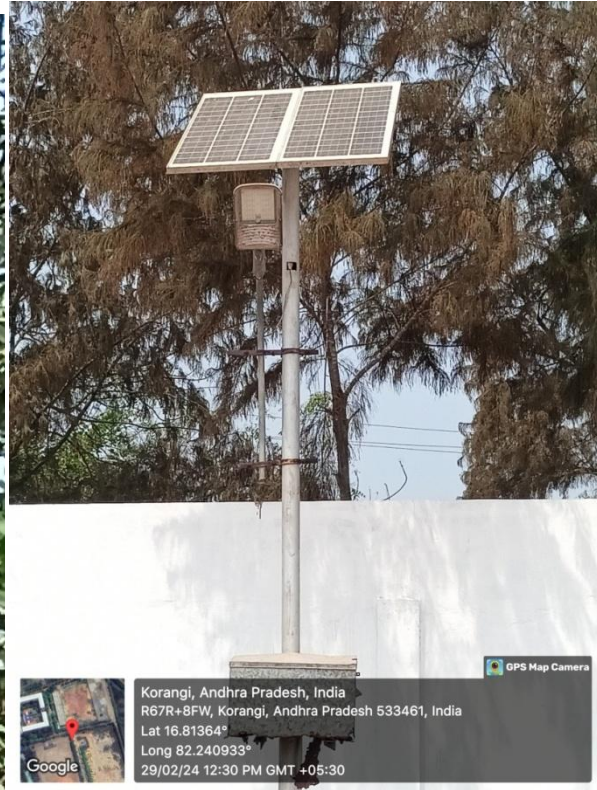
All these Solar energy LED lights are illuminating the edges of the entire campus.

Some of the Photos of poles of SUNLUX SLSSL-SEMI-15W-12AH STREET LIGHT WITH 40 WATT PV PANEL are as follows:



Korangi, Andhra Pradesh, India
R67R+8FW, Korangi, Andhra Pradesh 533461, India
Lat 16.81364°
Long 82.240933°
29/02/24 12:30 PM GMT +05:30

GPS Map Camera



TDTC
 PRINCIPAL
 Lakshana Institute of Eng. & Technol...
 KORANGI