



MARWADI SIKSHA SAMITHI

R.G. KEDIA COLLEGE

(Affiliated to Osmania University, Recognized by AICTE)

3-1-336, Esamia Bazar, Opp. New Chaderghat Bridge, Hyderabad- 500027.

SOLAR ENERGY

For the academic year 2021-2022 the Institution has adopted “17KW Capacity” of solar energy to power the facilities. This solar panels were installed on rooftops to generate the electricity, to reduce the carbon footprint and also to educate the students about renewable energy and its benefit. The Institution has installed Solar panels for saving Energy and Electricity and to provide uninterrupted supply of power to the Institution.



LED BULBS / POWER EFFICIENCY

General purpose lighting needs white light. LEDs emit light in a very small band of wavelengths, emitting strongly coloured light. The colour is characteristic of the energy band gap of the semiconductor material used to make the LED. To emit white light from LEDs requires either mixing light from red, green, and blue LEDs, or using a phosphor to convert some of the light to other colours.



WHEELING TO THE GRID

The Institution is transferring the excess electricity generated from solar panels to the utility wheeling the grid for credit or compensation. The Surplus energy which is utilized at a later time when the solar panels might not be producing enough electricity. Wheeling the grid with solar panels promotes renewable energy generation, to offset their energy costs while supporting the overall stability and sustainability of the electricity grid.

