

ENERGY CONSERVATION & ENERGY EFFICIENCY

We at Nirmal are conscious about climate change, the environment and most importantly energy conservation. We take active efforts in implementing a green and renewable source of energy into our operations to reduce our carbon footprint and its impact on the environment.

“Nirmal” has taken the following measures for the energy conservation and energy efficiency.

- By changing 232 CFL and MVL bulbs with 109 LED bulbs, we have reduced current usage from 12864 Watts to 3056 Watts
- By installing AC Timer/Controller, every day in office building all A/Cs are switched off automatically for 15 minutes at every one hour interval, by doing this we have managed to reduce 1500 units per month for office building.
- Surrounding street light automatic on/off setting done as per Natural Sun Light which saves the electricity consumption
- HVLS Fans installed in some area, Wall Mounted Fans and Pedestal Fans Removed which saves electricity.



ALTERNATE ENERGY USES

As a part of energy conservation, we have installed solar panels at our factory which fulfils up to 35 - 65% of our energy needs. Our energy consumption from the solar panel varies due to the difference of power generation in Monsoon and summer.

- Solar panel of 50KW, & 60 KW installed before Year 2020
- We added Solar panel 110 KW and now total Solar Power Capacity is 180 KW since Year 2021
- Now average Unit generation thru Solar is 23,500 per month

By installing solar plant, we are putting our small efforts towards reducing carbon footprint globally and by installing this we wear able to reduce carbon footprint by more than 5 Lakhs pounds of CO2 annually.



MINIMAL POLLUTION

In NIRMAL, Various sources of waste generation have been identified. Considering the waste generating sources, the following type of waste is generated and segregated in different suitable bins. During transportation of Hazardous material from factory to Authorized recycler, Approved vehicle is used and only H.W. is kept in it and it is ensured that it will not cause any pollution to surroundings.



MINIMIZING WATER USES

Water is one of the most essential resources on this planet. It plays a key role in sustaining the environment, production of food resources and maintaining human health. With the ever-growing population, we are constantly reminded of how critical and limited water resources are. For this, we have implemented practices to minimize the uses of water. Such as:-

- Rain Harvesting,
- Water used for Hydro testing is stored and reused for the same test.
- For gardening, we are using RO drain water.
- We have also installed STP Unit installed to recycle wastewater. This recycled wastewater is also used for gardening

