

## **LED Lighting System**

LED (Light Emitting Diode) Lighting System is a compact, lightweight and efficient lighting solution with built-in storage and energy management controls. An internal battery provides a lighting power source via high power Light Emitting Diodes (LED) at a comparatively lower power consumption rate.

This stored energy LED lighting technology can be used for indoor as well as outdoor applications. It primarily aims to provide affordable lighting solutions for communities that are either off the utility grid or with erratic service.

### **Salient Features:**

- LED lighting consumes much less power than conventional lamps.
- It offers a more attractive solution for decentralized lighting system.

### **Major Applications:**

1. This technology provides a self-sustaining lighting solution for street as well as household lighting capable of deriving energy from renewable energy sources resulting in substantial fuel and money savings.
2. It is capable of providing lighting solution for electrification in rural areas of India which are un-electrified or do not have a reliable energy source.

### **Major End Users**

- Communities in rural areas
- Worldwide