

Utkarsh

Details of small Capacity Power Generation Unit

Introduction: Today electricity has become an integral part of everyone's life. Many operations come to a stand-still in absence of electricity. Rural India is also not very much far from this problem. In most parts of rural India, electricity supply is quite sporadic and there is heavy load shedding in many areas.

Problem: Due to sporadic supply of electricity and irregular load shedding, many problems are faced. In addition to this, the electric lines generally get damaged during rainy seasons and storms. It takes numerous days to restore normal supply of electricity hence leaves the locals are devoid of electricity during this period.

Aim: Design and develop a small capacity power generation alternative for household usage of more than 100 W. The prototype should be such that it can be operated and maintained locally. This should be affordable for rural households.