

Design and Development of Micro Solar-Wind (Hybrid) Power Plant

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Abstract: *This project (Design of Micro Solar Wind Plant) is about designing and manufacturing Vertical Axis Wind Turbines (VAWT), these turbines are used to convert wind speed into rotational motion. Mini Monocrystalline Solar Panels are used to convert solar radiation into electrical energy. These turbines and panels are mounted on modern designed tree structures and can be installed in public places, residential homes, offices etc. As the demand for electricity to provide convenience in many places increases, the use of renewable energy sources is also increasing in various ways. This is an independent source of electrical energy generation. Designing this power plant can save a lot of fossil fuels, electricity and capital. This project consists of design, manufacturing and installation phases.*

Keywords: VAWT, Solar panel, Modern design, Installed in any places, Independent source, Fossil fuels.