



Production of Electricity and Pumping of Water Using Wind Mill

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Abstract: This paper gives the clear idea to overcome power cuts in agricultural areas by using the wind mill for production of electricity and water pumping system. Aero turbines convert wind energy into rotary mechanical energy. A mechanical interface, consisting of a step-up gear and a suitable coupling transmits the energy to an electrical generator and also consisting of reciprocating pump for pumping water from under ground level. In our project both production of electricity and pumping of water can be easily done. As gear is connected to the pinion which increases the speed, as the dynamo rotates, power is produced and the main shaft is connected to the pump which draws water from the ground level. The main theme of this paper is how to use the renewable energy in an effective manner by keeping the surrounding as clean as possible.

Keywords: wind mill; electricity; water pumping; agricultural areas

