

# ABSTRACT

## WATER PUMPING SYSTEM USING WIND POWER

The design and model of hybrid power system, consisted of renewable energy source (wind energy). It converts wind power into mechanical energy. Burden on national grid over comes, electricity bill reduces and we get energy in environmental friendly manner. This work explains the mechanism to utilize the renewable energy as first option, whether other conventional source are available or not. For irrigation, farm, home and community water supply. Excellent for filling lakes, reservoirs and tanks. All mechanical design is simple and efficient.

It is perfect solution for providing a lifetime of free water. Wind energy systems used worldwide since 1970. Pakistan have a huge renewable energy potential to meet their energy needs. This type of turbine is unusual and its application for obtaining useful energy from air stream is an alternative to the use of conventional wind turbines. Simple construction, high start-up and full operation moment, wind acceptance from any direction, low noise and angular velocity in operation, reducing wear on moving parts, very low cost are some advantages of using this type of machine. In this research, wind water pump is designed to supply drinking water to for places. The design and model of windmill consisted of renewable resource. This work explains the mechanism to utilize the renewable energy as first option whether conventional sources are available or not. It is simply based on wind. It ensures the optimum utilization of resources.

**NOTE-2021 Latest Best Mechanical Final year Project Ideas, Guidelines and Technical information can be provided.**

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