

FABRICATION OF HYBRID WATER PUMPING SYSTEM USING PEDDAL, SOLAR AND WIND MILL

ABSTRACT:

Powered water pump exist, but they are impractical in rural regions because running water and electric are expensive or unavailable. Several groups already tried to build machines for these regions but they have been unsuccessful. Their machines were either expensive to build and repair because they require imported parts or they do not operate effectively. We are also combining hybrid energy like solar and wing for performing the water pumping operations.

Our invention is that, a low cost, pedal-powered water pump that is designed around readily available parts. Its innovation is its simple design and its use of inexpensive plastic barrels and bicycle components. It is reliable, easy to operate and uses no electricity. The parts are available locally, so it can be manufactured and repaired in the community without depending on imported goods.

ADVANTAGES:

- Uses renewable sources
- Water pumping will be too easy.
- Comfortable to use.
- Save the water.
- It is non-polluting, as well as not using any type of electricity.
- It is an exercise by pedaling it.
- Replicable anywhere with bicycle.

MECHANISM:

In this concept we have design the pedal water pump with simple mechanism for water pumping with the help of pedaling operation. We are also using Solar panel and windmill for generating

TECHNOFIST