

Technology available for commercialisation



BHUMA AERO-HYDRO POWER PLANT

HORIZONTAL

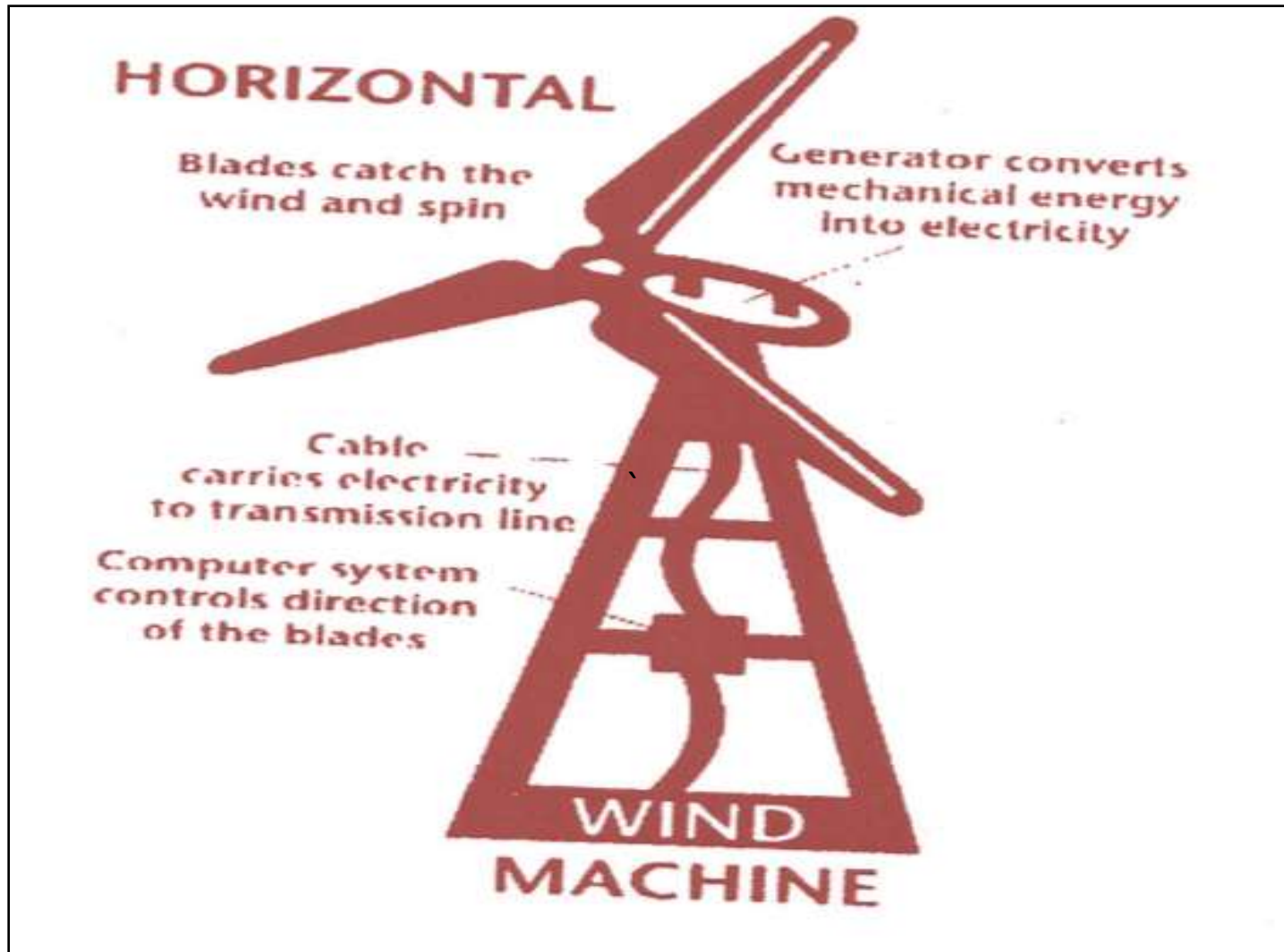
Blades catch the wind and spin

Generator converts mechanical energy into electricity

Cable carries electricity to transmission line

Computer system controls direction of the blades

WIND
MACHINE

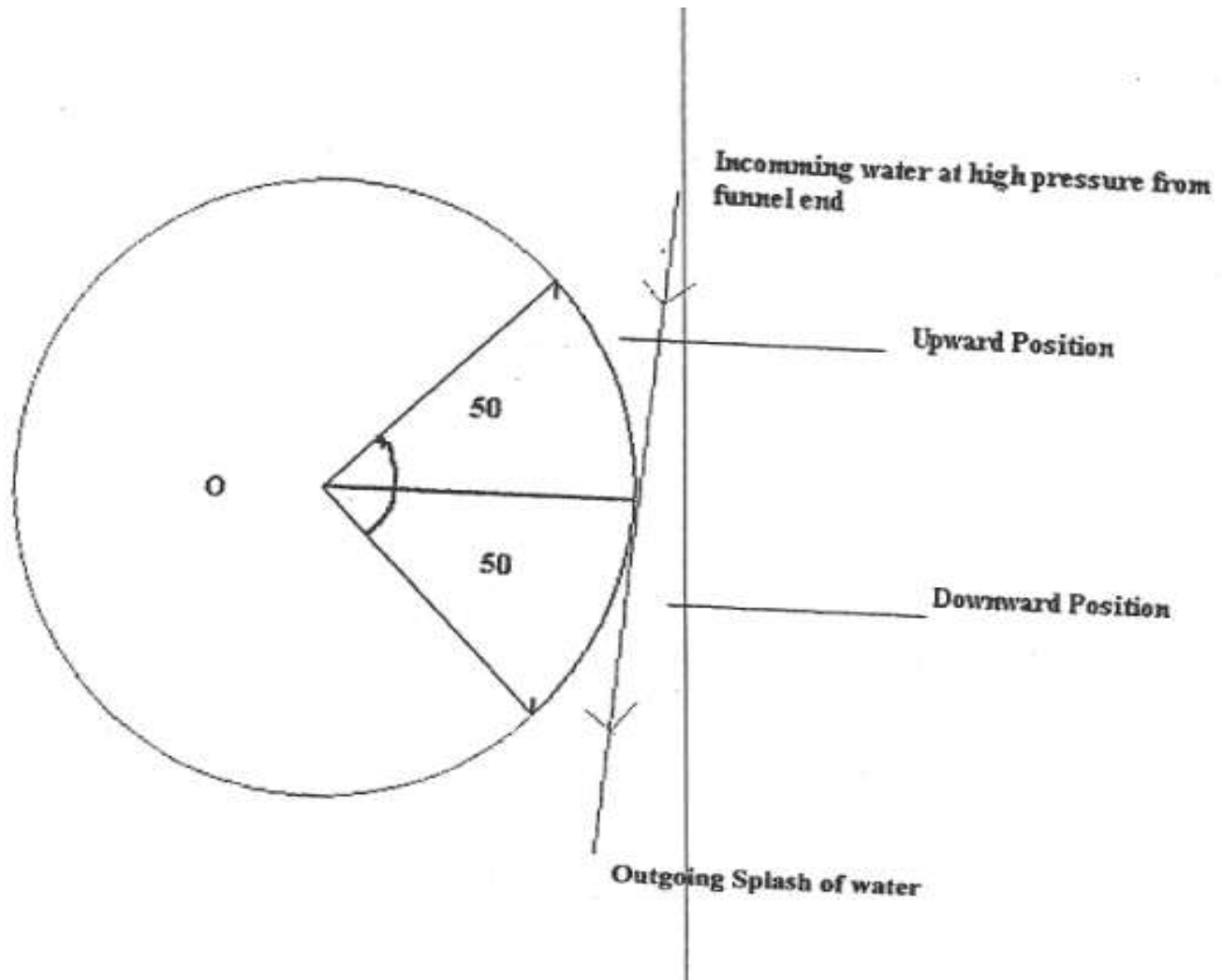


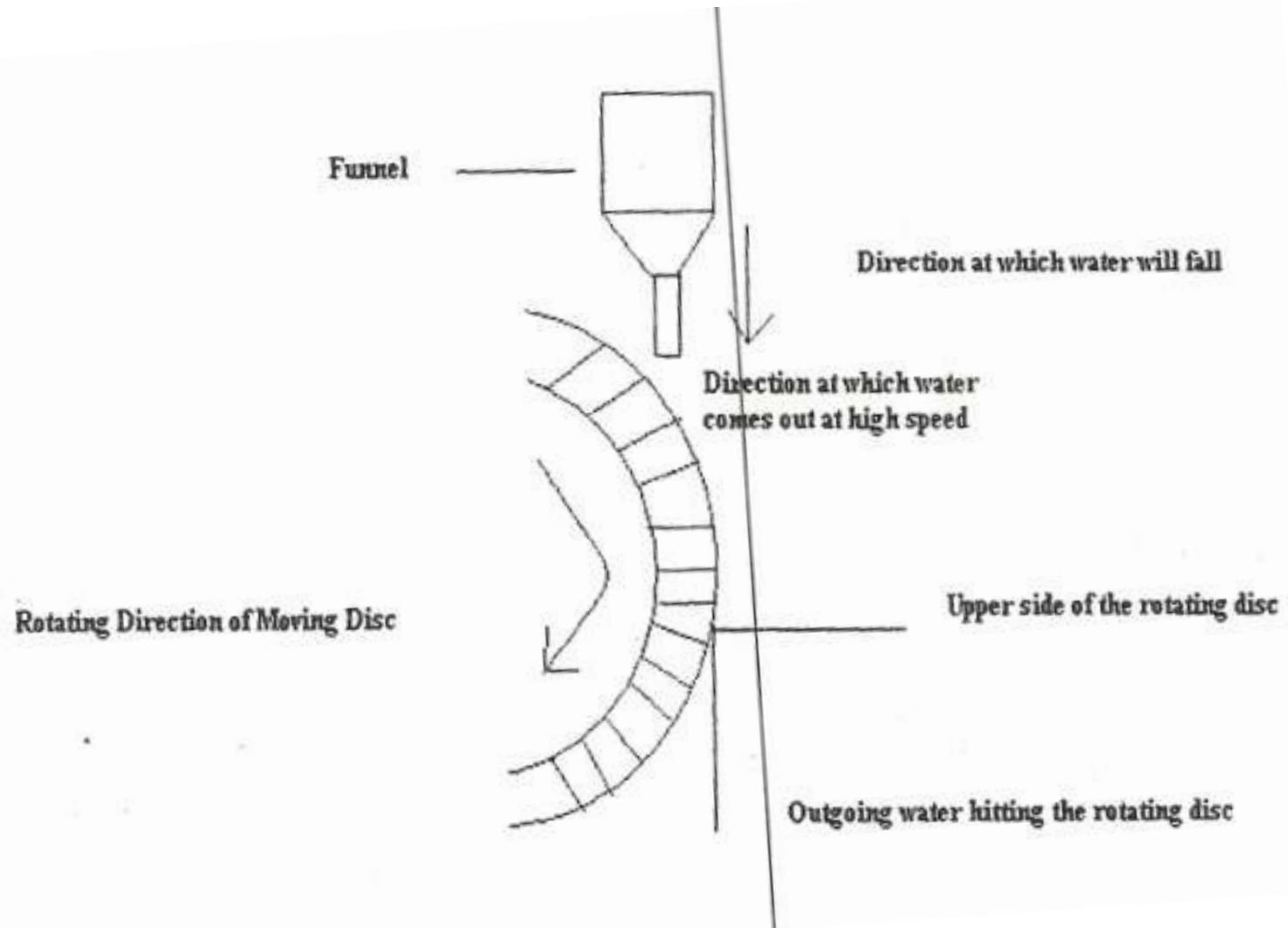
Invention discloses a process of continuous rotation of a windmill with or without the presence of wind for constant electricity generation in an aero- hydro power plant. When wind come through turbine and wind not blow the store water strikes on the blade. The blade starts moving and 24 hours electricity is produced through air and water both.



The moving blades in turn allows the rotor to produce an extra amount of energy. This dynamo converts the mechanical energy of the shaft to electrical energy. The rotor is fixed to a high-speed shaft, which is being connected to the armature of the dynamo by a coupling. The Power Plant is very simple and is very easy for human use.





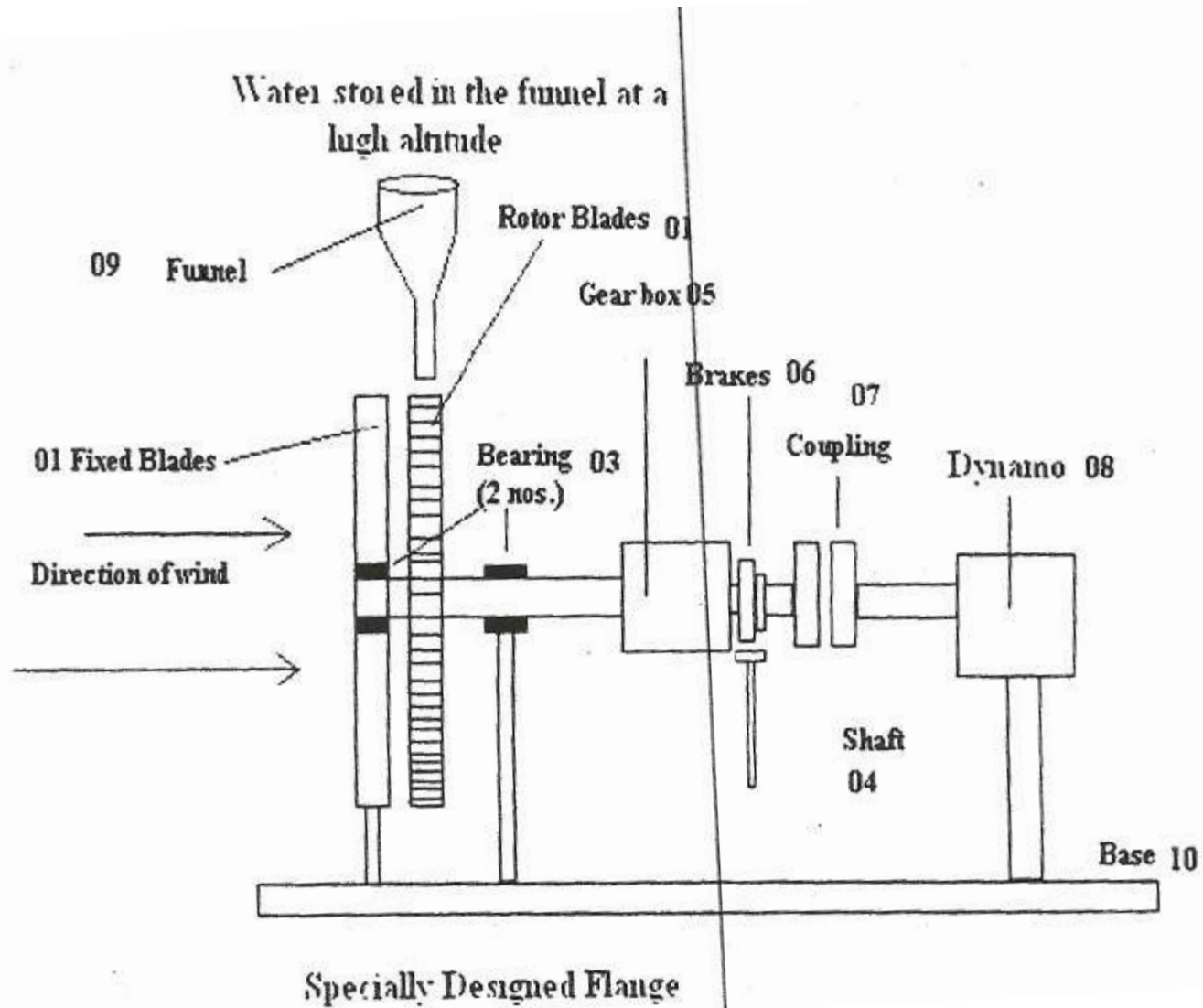


This invention is capable of overcoming most of the disadvantages of the common type of wind towers (Horizontal –axis wind machines and Vertical-axis wind machines).

- Blades are made angular so as to take most of the energy from incident wind. The gaps are made small to **minimize the energy losses**. This allows the blades to catch the **maximum energy from the wind**.
- New type of device** named “funnel shaped water storing tank reservoir”. The exit water gains speed and pressure which strikes the rotor blade tangentially at the circumference of the rotor.
- The effect of the pressure may work in between the angle of 0 to 50 degrees up and downward from the centre and through diameter of the rotating disc.

Parts of Bhuma Aero-hydro power plant

- Set of fixed disc
- Set of rotating disc
- Ball bearings
- Shaft
- Gears
- Brakes
- Couplings
- Dynamo
- Funnel (water storing tank)
- Base of the whole structure
- Structure of the blades of rotating disc
- Stand to hold the water reservoir tank funnel



For more details contact us

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