

ELECTRIC POWER GENERATION WITHOUT DISTURBING FLOW OF WATER

Submitted By:

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INTRODUCTION

- Introducing a new method of electric power generation from running water.

Using this method power can be generated

- By using the force of stream in the river.
 - From the length and width of river rather than the diameter of a turbine.
 - By using the weight of water.
 - Generate power from sea waves.
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- Its advance models can overcome the power deficiency in the country.

FRAME WITH 2 GEARS AT BOTH ENDS



GEARS COUPLED TO DYNAMO



CHAIN WITH HOLDERS



WATER CUPS IN ONE DIRECTION



WORK MODEL



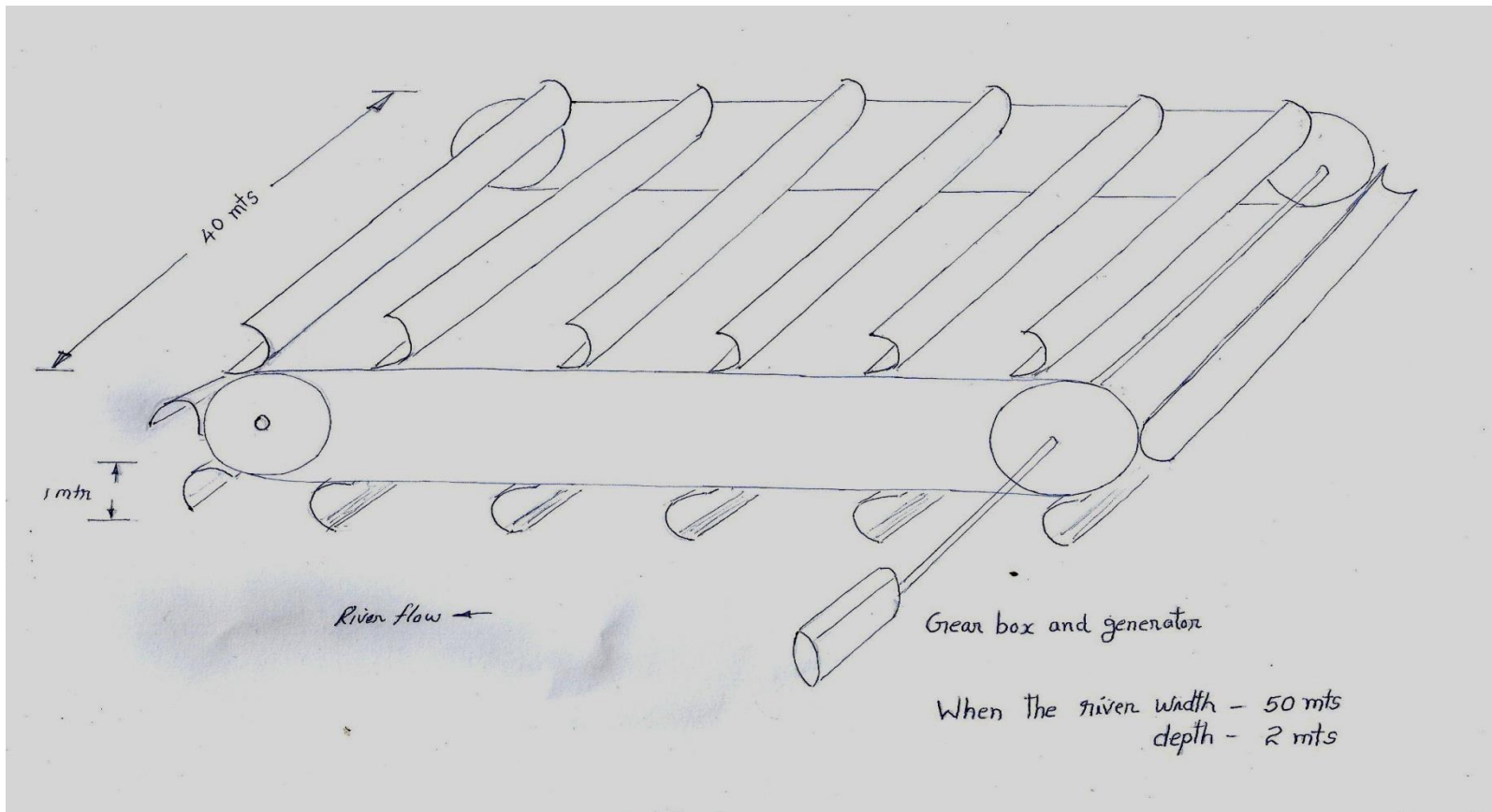
WORKING

- Bottom level of the chain and cups were dipped in a forced flowing water.
- The water enter into the cups and move these cups along with water.
- When these cups reached the front gear it will move upwards and the water flow out from the cups.

- The empty cups will move backward through the top level of the chain.
 - when they reached the gear in back side and again dipped into the water.
 - This makes continues rotation .
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- By using extra gears we can increase the speed of rotation and will induce voltage by using dynamo.

ADVANCED MODELS

A. HORIZONTAL METHOD



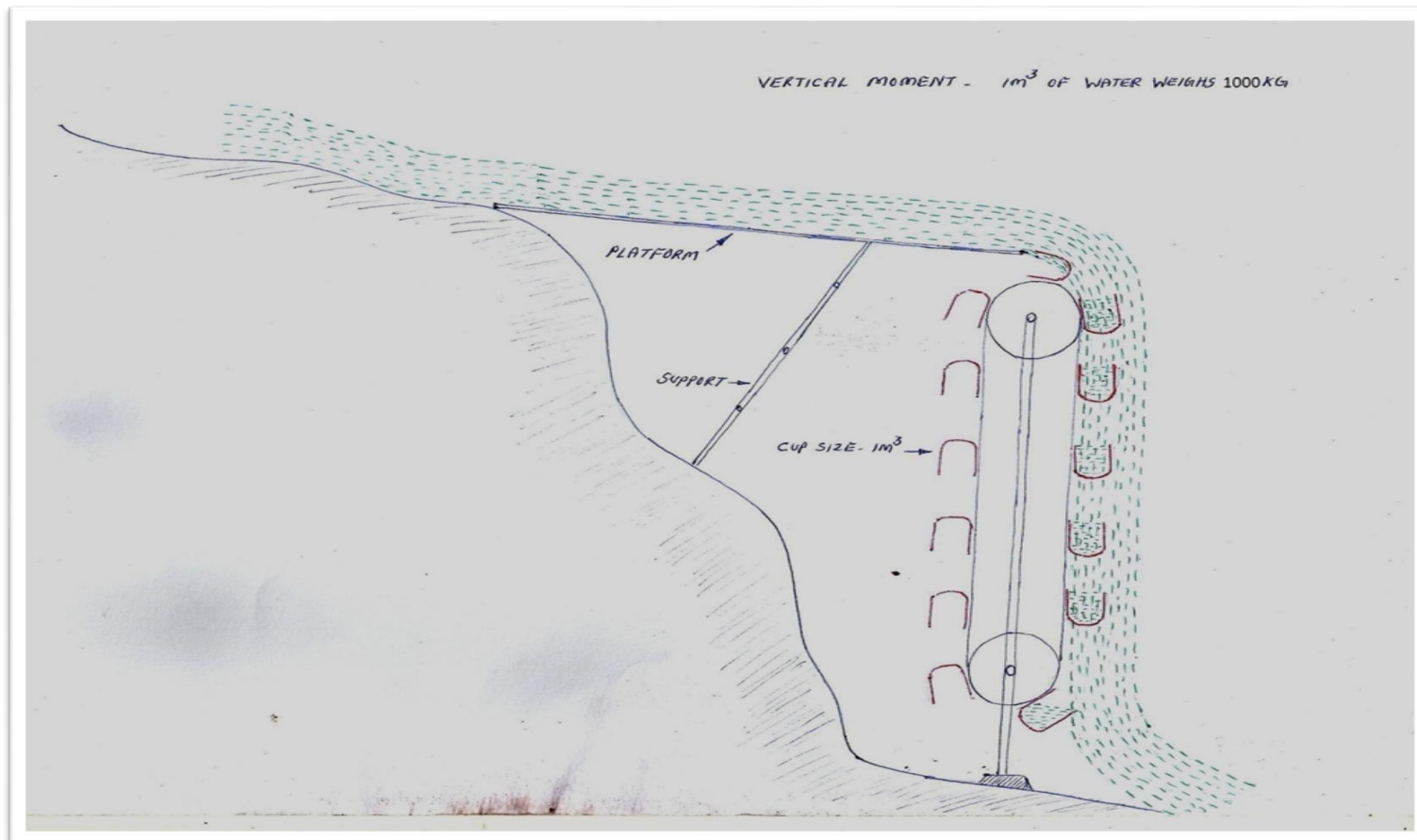
When a river of 50 Mtr width is selected for power generation in this method

- It needs two or three chain, one in each banks and one in center.
- Instead of cups ,these chains are connected by oval shaped blades.

a common shaft is coupled the gears and connected to gear mechanism and generator.

so entire force of the width of the river with sufficient length is utilized for large scale power generation.

B. VERTICAL METHOD



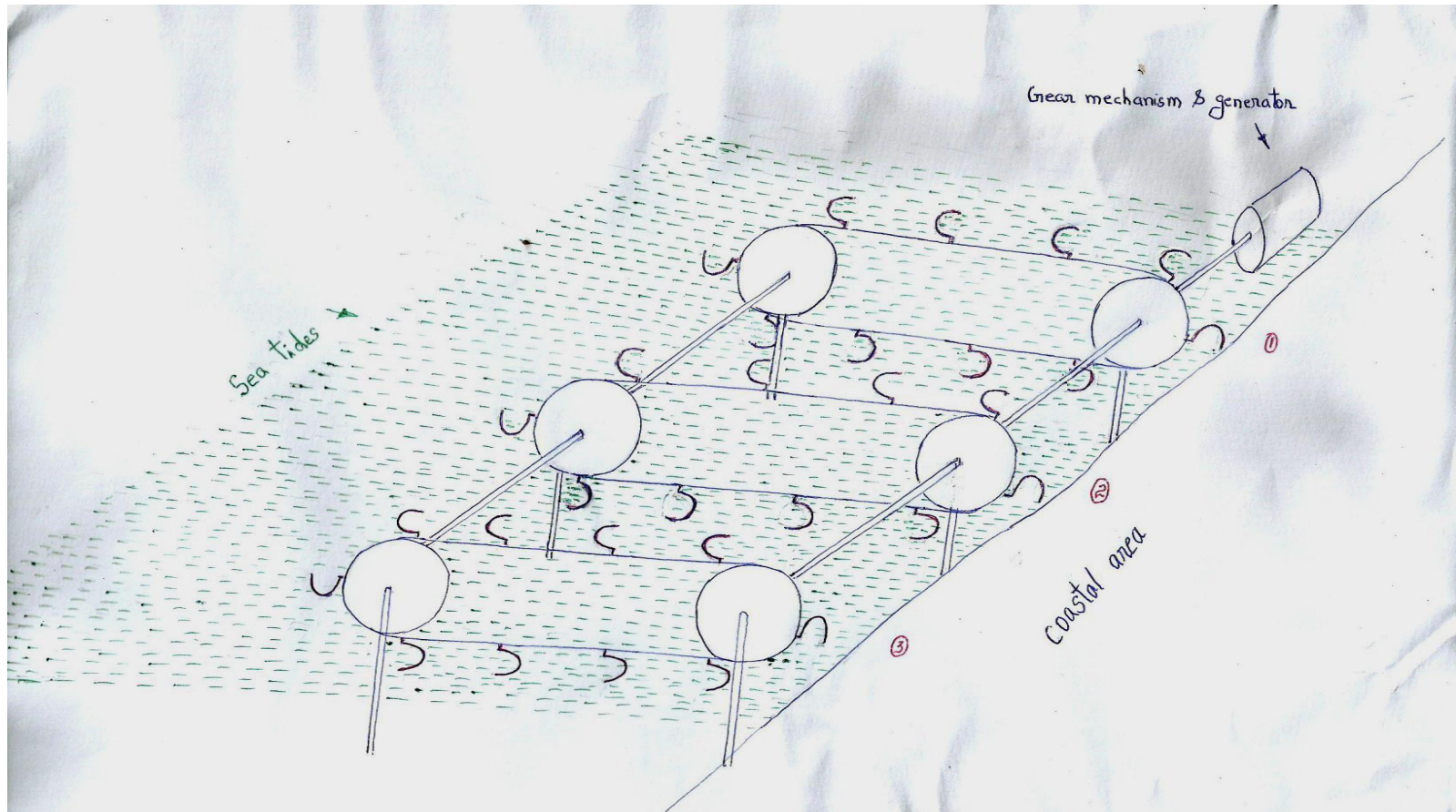
A vertical downward flow of water as per the sketch or the beginning of a water falls is selected for power generation in this method.

- The model is arranged in position to collect the vertical flowing water into the cups.
- Due to the weight of water in the cups the chain start to move down ward.
- when the cups reached at the bottom level gear the

water will flow out and weightless cups move upward and again come to the water fall

- 1 m³ of water weigh 1000 kg
- If 5 cups are weighing water at a time its total weight is 5000kg.
- When a 5000kg falling from a height of 50 mtr to earth it induce large power.
- This power can convert to electric power.

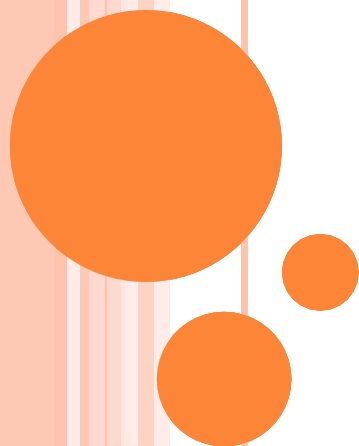
C. POWER FROM SEA WAVES



- It needs more units connected by a common shaft with free wheel mechanism used in bicycles.
- first time the cups in first chain are moving to the shore from the sea.
- Next time second chain and third time third chain and so on.
- A continuous rotation is developed by the force of each chain as per the sea waves .
- The free wheel mechanism is used to neutralize

the return flow of waves from shore.

- When the common shaft is connected to gear mechanism generator will induce electric power.



THANK YOU