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**IF I COULD INVENT SOMETHING NEW**

If I had an opportunity to invent something new, I would invent what I call “RECY-WIND ELECTRO.” Recy-wind electro is a device that converts wind energy to electrical energy. I named the device recy-wind electro because the materials used to make the device will be waste recycled materials and electricity will be produced through the wind.

 **Why Recy-Wind Electro?**

1. We all know the importance electricity and the development attached. Looking at the situation of the economy, I thought of creating this device to solve the issue of electricity.

2. This device will contribute to the development of our country. A country is regarded as being high developed if it is able to manage its resources to make progress in the economy.

3. The invention of this device will provide job opportunities.

4. It will curb crimes, theft and vandalism menace.

5. This device will address environmental solutions.

**MATERIALS**

Metal/plastic blades, An old bicycle wheel, DC motor, Battery bank, Charge controller, Electrical wires, Iron pole; used to serve as the tower, LED light,

Switch, Metal sheet, Cement and sand.

**Materials Function**

The blade: it helps to capture energy from the wind. It helps to covert kinetic energy into mechanical energy.

The hub: it helps to attach the blade with the DC motor.

Battery bank: it is used to store electricity in case the wind is not blowing.

Charge controller: it helps to prevent the battery bank from getting over charged so the battery bank will not spoil.

Electrical wires: it is used to transmit electricity generated by the recy-wind electro.

Tower: it is used to provide support and also provide stability for the wind to blow.

LED light: it shows whether the recy-wind electro is working or not.

Switch: it is used to turn on and turn off recy-wind electro.

Metal sheet: it is used to cover materials that can get spoilt if rain touches it like the DC motor, battery bank and the charge controller.

Cement and sand: it is mixed with water which is used as the foundation. It is used to hold the device to a building.

**Possible Challenges**

Choosing location: if you do not face the device to the direction that the wind blows, the possibility of steady electricity will be sparse.

Wrong connection: if you are not careful when connecting the wires and you miss a step, electricity will not flow to the building you want to supply electricity.

**SOLUTIONS**

1. It is cost effective

2. It provides 24 hours electricity: With the aid of the battery bank.

3. Less cost for maintenance.

4. It is very safe: recy-wind electro does not cause any hazard which can lead to loss of lives and properties.

5. It promotes economic growth: It will promote economic stability because recy-wind electro helps to curb one major economic issue in Nigeria which is electricity issue.