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IF I COULD INVENT SOMETHING NEW

I grew up hearing “Up Nepa” whenever power is restored in most homes in my community. I am now twelve years old, and I still hear it occasionally. Growing up in Nigeria as a child has left too many questions in my mind unanswered, some of which I suspect may not have concrete answer now or in the future. I came to that conclusion because I have observed with keen interest at how everyone around me respond to certain issues such as the issue of power. Especially the adult around me. Most people put on an attitude of coldness and total submission, as if we can never have 24 hours power supply. I am very worried and concerned about it. In my short life as a Nigerian, I have not stopped wondering what can be done to salvage the situation of power. I have constantly imagined a Nigeria where there will be constant, consistent power. I have thought about all the benefit this will bring to our nation. I have imagined how small and large businesses will thrive and survive when this is put in place.

If I could invent something new, I would love to invent anything that solves the problem of power. As I sit to write this essay. I discovered that the challenges with Nigerian power sector is multifaced ranging from financing, transmission infrastructure capacity, inefficient quality service, unwillingness of DisCos to accept loads, the private investor's reluctance to invest in the power businesses etc.

So, I asked myself, if these problems cannot be tackled easily. Are there other simpler ways of generating power?

So, an idea came to my mind, and this is what I invented: I will create a mini hydroelectric turbine suitable for homes. When a house is newly built, a mini hydroelectric turbine will be built and placed beside the sumo pump, the sumo pump will be used to produce constant water. With the sumo, there will always be water, beside the sumo, there will be two connecting pipes. One pipe will go to the water tank, and the other pipe goes to the mini turbine. we will create a sizable elevation that will allow the water from one of the pipes to exact pressure down, when this is done, kinetic energy will be produced and passed through mini generator which will pass the electricity into the house. This way, there will always be power both in dry and rainy season. The turbine will always work while the water pipe will be designed to be controlled so that it can come on

when needed and go off when not in need. The power that is generated will be sent into the house through a meter.

In other to make it affordable for rural communities, one or two turbines will be put together to power the whole community depending on the number of houses in the community.