**IF I COULD INVENT SOMETHING NEW**

As the saying goes, “Necessity is the mother of invention,” the same is true for the challenge of inadequate power supply in the African continent, but most especially in my dear country Nigeria. Electricity is a critical necessity all over the world today, without it, hospitals will not be able to take care of patients on admission hence deaths of our citizens.

Nigeria currently has a capacity to generate 11,165.4 Mega Watts of electricity from the 23 generating power plants that generate electricity to the national grid. However, the country needs about 40,000 Mega Watts of electricity to meet the needs of her citizens. This shows that there is a huge gap in our need for national growth.

 Based on the challenge identified, if I were to invent something, it would be a machine that would harness the power of water and convert it to electricity powerful enough to provide power to a house.

The ‘Mini Hydro-Electric Generator’ as I would prefer it to be called, would be 20-inches. The Mini Hydro Generator would work like a fuel powered generator; however, the difference would be that it would utilize the power of water pressure to generate its power through an electric motor.

The benefits of the ‘Mini Hydro-Electric Generator’ would be endless. For instance, it would be cheaper to afford and easier to maintain because it uses water to generate electricity. This would be a much-needed invention by the citizens of Nigeria especially with the removal of fuel subsidy by the Federal Government which has led to the astronomical hike in petroleum product prices. Also, the ‘Mini Hydro-Electric Generator’ would be portable in size which would make it quite easy to carry and move around, unlike the huge power plants and dams that generate electricity. Portability would make it most suitable for Nigerian households.

Also, it will have a huge positive environmental impact in greatly contributing to the reversal of the effects of greenhouse emissions that lead to global warming. This notable invention would help Nigeria combat carbon emissions that is caused by the use of fuel generating sets that is much in use in virtually all the major cities in Nigeria.

Due to the immense climate value of my ‘Mini Hydro-Electric Generator’, I hope to export it to Africa and to all the continents of the world so as to drastically reduce the overall global greenhouse effects of fossil fuels that has negatively impacted the weather patterns and led to natural disasters.

Lastly, I would also want to work and with the Nigerian Science and Technology Incubation Centre (NSTIC) which is a home-based institution that provides support and help to startup small businesses and ideas in the science and technology sector helping to commercialize their ideas. Also, I believe that the Nigerian Science and Technology incubation Centre (NSTIC) would be able to provide me mentorship and training. It would also help me to facilitate access to the funding of my ‘Mini Hydro-Electric Generator’.

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