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**ENT600 TECHNOLOGY ENTREPRENEURSHIP**

**TECHNOLOGY VENTURES BLUEPRINT**

**“AGUA LAMP”**

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## **2.0 EXECUTIVE SUMMARY**

The name “Agua” is derived from the Spanish language and it means “water”. Based on the important components for this innovation technology. Nowadays, people are concerned about power saving. Our Agua Lamp will provide light without using electricity. We can save a lot of electricity Eco-friendly to the public community especially for students and backpackers. The simple design and discreet colours of Agua Lamp make it very suitable for any space bedroom, living room, bathroom or even your working environment. This lamp is powered by water during chemical reaction. The main reason that makes this lamp so original is that it functions simply with the help of the power of water. Namely, this cordless lamp needs just a little bit of water and a hydroelectric battery.

There will be a variety of designs according to customers' demand. We will introduce this new technology to the public, in order to reduce electrical usage in domestic daily due to global warming nowadays. The lampshade is made of sanded blow glass, on the top of it there is a part made of bioplastic where the battery is set and where you pour the water, with an interesting steel switch, while the light comes from the warm white led strips.

### **3.0 PRODUCT OR SERVICE DESCRIPTION**

Nowadays, our Earth has a global warming issue that affects all living things. Our company has come up with this idea in order to reduce this issue by reducing electrical usage in daily life. By taking the advantages toward this situation, the Agua Lamp has been invented with special features.

#### **3.1 Describe in some detail the product or service to be produced/sold**

The Agua Lamp features consist of sanded blow glass, turbine, tunnel, battery, bio-plastic, steel switch, and warm white LED strips. First of all, the Agua Lamp is made of sanded blow glass. This sanded blow glass is a forming technique in which molten glass is poured or ladled into a mold of compacted sand. This sanded blow glass comes out with different and interesting designs that can make people follow their own choice based on their interest. Second, on top of it there is a part made of bioplastic where the battery is set and where you can easily pour the water. The bioplastic will cover up the battery and of course environmentally friendly which only uses the water to make the lamp light up. Third, turbines are also attached to the battery to generate electricity which is important for the production of electricity from batteries to light up the LED strip. Moving fluid acts on the blades so that they move and impart rotational energy to the rotor. Fourth, this unique lamp only needs just a little bit of water and a hydroelectric battery, composed of a carbon stick covered with magnesium powder, to provide the charming light for the ambient. Hydroelectric power is a clean source of renewable energy where an adequate water source is readily available. The water and the battery combined create a stellar electro chemical reaction, and that way they provide enough energy to light up the LED strips. Fifth, steel switches play an important role for this Agua Lamp. Move to right to switch on and move it to the left to switch off. This is because, the steel switch that connects to the turbine which will give the hydroelectric battery to generate the electricity. Sixth, the tunnel provides a space for the water to flow directly into the turbine. It is also to avoid from the water spilling out during the process of adding water. The water flows in through the tunnel to contact with the turbine which is for generating the electricity to light up the LED strip.

**3.2 Discuss the application of the product or service and describe the primary end use as well any significant secondary applications.**

This Agua Lamp is perfect for making the room lighting more beautiful and attractive. It can be used in the living room, bedroom and bathroom. Not only that, it can also be used as an emergency light. an emergency where electricity is cut off and can be used during outdoor activities such as camping on the beach or in the forest. The small design allows it to be carried anywhere at any time. In addition, Agua Lamp can be used as a light fixture for festive occasions

**3.3. Emphasize any unique features of the product or service and how these will create or add significant value; also, highlight any differences between what is currently on the market and what you will offer that will account for your market penetration.**

In order to produce light from this Agua Lamp, users simply need to pour water on the surface. with the turbine and battery inside, it produces light and can illuminate the room. The next advantage is that it does not use electricity. Its electric power can come directly from the battery as well as the kinetic energy generated by the turbine after being moved by water. it makes it an electrification product. Many of the products seem to be using the full electric light so consumers have to spend the cost of increasing the bill. While the Agua Lamp consumes the most energy from the battery and water.