




**COMPANY NAME – Mimosa Weed Solar  
Endeaour**

**Address – University of Nigeria, Nsukka  
Nigeria**

<p><b>Mimosa Weed Solar Panel</b></p> 	<p><b>Value Propositions</b></p> <p>The stages are Harvesting; drying, Milling, Water extraction, quantitative and qualitative isolation of the active materials plus phytochemical analysis to identify and isolate the active component. The main isolate was identified as black silicon semiconductor. Water is used in the extraction and this is what makes it a green energy technology. Solar cells were constructed with the black silicon as the principal weed isolate. On exposure to the daylight commensurate energy was absorbed by the black silicon</p> <p>Cheap and sustainable energy supply Availability of energy to power electrical gadgets. Mimosa Solar panels of different voltage capacities as 6Volts, 12Volts Lighting, powering domestic utilities</p>	<p><b>Customer Relationships</b></p> <p>Confidence and offer of credit facilities Product guarantee, maintenance Product guarantee, maintenance They are cheap Affordable., within the reach of the poor</p>
<p><b>inventors / creative</b></p> <p>Justus Nwaoga Chief Science Technologist</p>	<p><b>Competitive advantages</b></p> <p>It is a novel product The water extraction process of Mimosa plant weed eliminates greenhouse emissions into the atmosphere in the course of black silicon isolation. This has contributed to reduction in environmental degradation and pollution. While, mining of silica and its conversion to silicon, this process is very expensive and environmentally unhealthy. The ecosystem is compromised. The interface at n-p junction contact is the major challenge experienced in the conventional solar panel presentations. This is eliminated in mimosa solar panel. It is cheap and stable</p>	<p><b>Customer Segments</b></p> <p>For the indigent rural settlers who need energy for lighting</p> <p>85% of Africans live in the rural areas where there are high demands for energy, lighting, operating radio, television and communication gadgets, example mobile phones.</p> <p>The rural dwellers</p>

<b>(Patent, Trademark, Design)</b>	<b>Cost Structure</b>	<b>Revenue Streams</b>
<p>Patent number – NG/P/2011/366</p> <p>Status Progress - It is a prototype</p>	<p>Ans. - Establishment of the Mimosa Weed Farm</p> <p>Ans. – Cell packaging as the raw material</p> <p>Mimosa Farm maintenance</p>	<p>Pay \$10 for the product and installation</p> <p>Cash and carry</p> <p>Pay with guarantee</p> <p>Less than 2 dollars</p>