



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_27050
Title of the Manuscript:	A STATISTICAL APPROACH TO ESTIMATE WIND SPEED DISTRIBUTION IN IBADAN, NIGERIA.
Type of the Article	Original research paper

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	<p>Since this paper focuses on off-grid wind turbines, wind and energy resource, etc. it is important to mention at which height the data is measured and for which height the wind power output is calculated (for example figure 1, 2, 3). So, please specify the sentence "The wind speed data was measured continuously with a cup generator anemometer at a hub height of 3, 6, 12, 15 meters respectively at NIMEX site and 2 meters at IITA above the ground level".</p> <p>The sentence "It is observed that the readings were related to the levels of the equipment installed; i.e. the higher the level of equipment installed, the higher the readings of the wind speed values" is for granted. Please, separate the measured wind speeds per level (This also applies for the associated calculations).</p> <p>Since the reader of this article will in all probability not be familiar with this region, the reviewer would like to suggest to make a map of the region and the two sites (NIMEX and IITA).</p> <p>Is it possible to measure the wind speed with an accuracy of two decimals after comma (for example table 8 and in text)? Probably the accuracy is only one decimal after</p>	



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	<p>comma.</p> <p>Please mention in the paper that wind power and energy power is not the same. For each type of small wind turbine, the energy power will be different. Therefore, a good choice in type of small wind turbine is important.</p>	
<u>Optional/General</u> comments	<p>The reviewer would like to thank the authors for the effort they have put into this research. This paper describes the possibility of using off-grid wind turbines in a region in Nigeria, where a great percentage of the general population reside in rural areas where they do not have access to the nation's electric power source. Therefore, this research is of great importance for developing countries in general.</p> <p>This paper is well written.</p>	

Reviewer Details:

Name:	Samuel Van Ackere
Department, University & Country	Department of Geography, Ghent University, Belgium