



**SDI Review Form 1.6**

Journal Name:	<a href="#">Advances in Research</a>
Manuscript Number:	<b>Ms_AIR_31538</b>
Title of the Manuscript:	<b>GEOPHYSICAL AND GEOTECHNICAL EVALUATION OF AN EROSION SITE IN EBEM-OHAFIA AREA OF ABIA STATE, SOUTHERN NIGERIA.</b>
Type of the Article	

**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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b><u>Compulsory</u></b> REVISION comments	<p>Materials and Method section :</p> <ul style="list-style-type: none"> <li>- Please give the type of ABEM...a SAS 1000, 4000, LS ?</li> <li>- Please give acquisition details for the VES...injected current, measured electric potential, standard deviation, contact resistance (these can give interesting informations about the nature of the soil and also the quality of the data).</li> <li>- Did you have to enhance the electrode-soil contact (water, salt, bentonite) ?. Was the soil dry or not during the measurements?</li> <li>- I would rather see colours in the geoelectric section figure, rather than letters (c, sl, st..., etc)</li> <li>- Please, remove "Geophysical characteristics of the soil samples" after "Results and discussion"</li> </ul> <p>Moisture content and void ratio section</p> <ul style="list-style-type: none"> <li>- The author should give more details concerning the measurements of the moisture content within the sample...define this term "moisture content" and give also technical details on how this parameter is measured (is it TDR measurement ??). Also, how did you measure the porosity ?</li> <li>- I do not see why the author states that because moisture content is in the range 5-9 %, this can give informations</li> </ul>	OK



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	<p>about the nature of the soil...sandy deposits can simply be classified as their grain size...what kind of information give the moisture content and void ratio in term of erosional processes ? otherwise, it is clearly useless to put such data in the manuscript...</p> <p>- As the geoelectric section, the author should make a geotechnical section of the studied area. This would make the reading of the manuscript easier.</p> <p>- The author does not make enough links between the geoelectrical and geotechnical data. Is their a link between the geoelectrical data and void ratio, moisture content or plasticity for example ?</p>	
<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments	Ok for publication after major revision. Such geophysical observations are clearly needed for the understanding of erosional processes, especially for the lateritic soils of Africa.	