



SDI Review Form 1.6

Journal Name:	Asian Journal of Geological Research
Manuscript Number:	Ms_AJGER_41308
Title of the Manuscript:	GEOPHYSICAL EXPLORATION FOR CLAY IN GOVRNMENT SCIENCE AND TECHNICAL COLLEGE, IGBESA, OGUN STATE, SOUTHWESTERN NIGERIA.
Type of the Article	Original Research Article

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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)
Compulsory REVISION comments	<p>The work is very well written and the research has achieved a good level of detail in the area. But I believe it is possible to make some improvements.</p> <p>The chapters "1.INTRODUCTION" and "2.LOCATION AND GEOLOGICAL SETTING OF THE STUDY AREA" are satisfactory.</p> <p>Some improvements are needed in the "3.METHOD" chapter. There is no clear description of the method of DC resistivity. It is important to talk a bit about the contrast of the physical properties of the rocks and soils of area. What is the expected geophysical signature for the clays? The sands? The laterites?</p> <p>In other way, the description of 2D to 3D data processing has been very well done, as well as the description of the Wenner arrangement, which is also satisfactory.</p> <p>In the chapter "4.RESULTS AND DISCUSSION" the data were well described and well explored. In Figure 3 (Layer one) the areas of interest (clay and clayey sand) were indicated on top of the figures themselves, which facilitates interpretation. In figures, 6, 7 and 8 the laterites were also indicated. I think this could be extended to all figures with as much information as possible.</p> <p>The chapter 5 "SUMMARY AND CONCLUSION" On the line 238 – "(...)an apparent resistivity values ranging from 45.0 Ωm to 1,000.0 Ωm is(...)" I believe that the ranging is 45.0 Ωm to <u>100.0 Ωm</u>.</p>	
Minor REVISION comments	<p>The 3D layers model are a great model of representation, but there are some programs that processing the data and could make models of visualizations with better views (with another axis views). Programs such as Cad Civil 3D and Oasis Montaj (Geosoft) are an example.</p>	
Optional/General comments	<p>This research is an example of the applied geophysics to mineral exploration. With the results, it was possible to determine the extension of the deposit and the viability of the occurrence.</p> <p>It confirms the important of this kind of science.</p>	

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