



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	Ms_BJAST_31078
Title of the Manuscript:	Geological, Geophysical and Seismological Investigations for siting of seismic stations in Minna and Abakaliki, Nigeria for Data reliability
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:

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



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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	1. Eqs. (1) and (2) - Units should not be included in the equations. They should be defined after the equations. Also, shouldn't Db be dB? 2. Chart A (misspelled as Chat A) – Define SNR. 3. Figure 3 – a closing parenthesis) is missing. 4. Figures 5 and 7 – What do the colors in these figures represent? 5. Figure 8 – Is the spacing between electrodes AB mentioned in the text the distance between P1 and P2? If it is, it should be so labelled. 6. Eq. (3) – Define all variables used in the equation. 7. Section 6 – Define L, b MN in the first sentence. 8. Fig. 11 – Change profile P1 (P11, 12, 13 and 14) to profile P2 (P21, 22 and 23). 9. References – Should be arranged in the order they are referenced in the text or arranged them in alphabetical order.	1. Units removed, defined and Db corrected to dB. 2. Chat A corrected to Chart A. SNR is now defined in the manuscript 3. The closing parenthesis added 4. The waveforms in fig. 4 were recorded in PSUD format and later converted to miniseed. Output from the processing software (Eqwave) has green color as its default color. The colors in Fig. 5 represent noise spectral at different frequencies. The concern here is the level of the noise as presented by the colours at different frequency bands. 5. Thanks for pointing this out. I have replaced the current electrodes spacing AB as previously indicated in the text with C_1C_2 as shown in figure 8. 6. The variables in Eq. (3) have been defined and highlighted in yellow in the text on page 8. 7. Using figure 8, L, b, and MN have been defined and highlighted in yellow in the first paragraph of section 6. I actually used two figures earlier where MN in the other figure i removed is the same electrode spacing as P_1P_2. 8. Thank you for picking out this



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		repetition. I have changed it and highlighted in yellow color under Fig. 11. 9. References have been rejigged in alphabetical order
<u>Minor</u> REVISION comments	1. More information about the type of sensitive sensors to be installed in these potential seismic stations should be given. 2. More information about Minna and Abakaliki (such as population, distance from nearest roads, types of roads –paved/unpaved, history of seismic activities, etc.) should be mentioned. 3. Some figures are so small that some of the labels, numbers and information in them are not legible! These figures should be enlarged. 4. Some editorial changes are needed to correct grammatical and syntax errors present in some sentences.	1. More information added to the text as highlighted in yellow colour on page 2. 2. Information about Minna and Abakaliki added to the text on first paragraph of section 3.0, page 3. 3. Adjustment have been made to the figures 2, 3, 3A, 4, 5, 6, 7 and 7A. 4.
<u>Optional/General</u> comments		