



SDI Review Form 1.6

PART 1:

Journal Name:	<u>Physical Review & Research International</u>
Manuscript Number:	2013_PRRI_3697
Title of the Manuscript:	Influence of Tectonic Faults on the Magadi Geothermal System: Evidences from Ground and Aeromagnetic Data

General guideline for Peer Review process is available in this link:

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

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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	<p>1) The contents of the paper is not consistent to the title: the title is the influence ...on ...geothermal system, while the contents are interpretation of faults by means of magnetic survey, and the relationship between the faults and geothermal system are not clearly demonstrated in the paper. It is proposed that the title be changed according to the contents of the paper.</p> <p>2) Result of any geophysical survey may have its uncertainty, and ground and aeromagnetic survey may also give wrong results. Therefore, it is proposed to compare the results of magnetic survey with other geophysical survey, such as geo-electric survey by Komolafe et al.(2012), as well as any other geophysical survey carried out in the area.</p>	<p>Partially but not totally agree. The paper attempted to investigate the influence of Magadi faults on an existing geothermal system which is clearly revealed and established. Previous researches have proposed that the nearby faults might be supporting the upward flow of geothermal fluids. Komolafe et al., 2012 made use of geoelectric method to investigate the faults, but to further understand the potentials of the Lake Magadi Graben, magnetic methods were employed in this paper. The title has been changed to: "Investigations into the Tectonic Faults on Magadi Geothermal Field Using Ground and Aeromagnetic Data"</p> <p>Yes, agreed. I'll recall the research made by Komolafe et al. (2012).</p>
<u>Minor</u> REVISION comments	<p>Legend of figure 2 should be revised, to make the colour distinguishable. Figures 11(b),12, 13,14 and 16 should be clearer.</p> <p>Prove reading of English</p>	Ok, they'll be corrected
<u>Optional/General</u> comments	One or two geological profile may be useful.	noted