



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Review &amp; Research International</a>
Manuscript Number:	2013_PRRI_5713
Title of the Manuscript:	<b>Vibration Technique for Processing and Monitoring Electrical and Mechanical Defects in Electrical Drives Using 2-D Mathematical Model</b>
Type of the Article	<b>Research Paper</b>

**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> (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)
<b><u>Compulsory</u></b> REVISION comments	My general comment is that the object of the paper is interesting and contained results appear to be worthy. It significantly benefits from the new added material, at least up to my knowledge.	
<b><u>Minor</u></b> REVISION comments	<ol style="list-style-type: none"> <li>1- Provide all used equations/symbols in math type format instead of picture/image format.</li> <li>2- Relate your findings with previously published studies.</li> <li>3- Provide background of study at the start of abstract section.</li> <li>4- Please add some new references to the article</li> </ol>	<p><b>1- All the equations are in math type format and not in picture image format unfortunately when they are uploaded in the requested template they are automatically converted as picture format. I did all my best to sort it out but no way (enclosed is the original format before uploading it in the template.</b></p> <p><b>2- The method used in this research is compared to what has been done in monitoring defects in a way that is very simple and particle just used two search coils connected back to back fixed on the stator surface around two slots and shifted 180°.</b></p> <p><b>3-The background of the study at the start of abstract section is somehow clear . I gave an introduction regarding the radial flux density in the air-gap during normal working of the machine and during faulted machine . Then cause of eccentricity due to faults such as shorts or bearing or UMP where given . Then I concluded that such anomalies would lead to vibration and noise and thus sources of troubles and rapid aging and finally the</b></p>



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		<p>machine. The machine will be down and thus effect the efficiency of production and thus the economy.</p> <p>From such introduction in the abstract I got introduced to my research work and I even gave the technique used in my research theoretically and experimentally.</p> <p>4- Some new references are added to the article (See references in Yellow Color).</p>
<b><u>Optional/General</u></b> comments		