



SDI Review Form 1.6

PART 1:

Journal Name:	<u>Physical Review & Research International</u>
Manuscript Number:	2013_PRR1_4006
Title of the Manuscript:	Structural Characteristic of Bamboo and Rattan Cane Reinforced Concrete Struts
Type of the Article	Research paper

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 7 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>Line No-134 & 139: Why two different equations are used?</p> <p>Line No-171: Include more numerical and experimental data in "result and discussion".</p>	<p>Line 134 & 139: Equation 1 is for analysis of steel reinforced struts, while equation 2 is for bamboo and rattan cane reinforced concrete struts, and this equation is based on the research by the U.S. Navy Civil Engineering Laboratory.</p>
<u>Minor</u> REVISION comments	<p>Line No-80: In "Structural properties of Rattan cane and Bamboo" information is provided for tensile strength of Bamboo and Rattan. Since this is a paper relating compressive strength therefore information regarding the compressive strength of Bamboo and Rattan can be more effective.</p> <p>Line no-215: In Table-1 comparison can be made with respect to the concrete without any type of reinforcement. If so the contribution of Bamboo and Rattan can be understood more closely.</p> <p>Please provide the scientific name of Bamboo and Rattan used in this test.</p>	<p>Line-80: The most effective test for the ultimate strength of reinforcement is the tensile test, which was reported in this research. Compressive test of the reinforced material will be unreliable since the material will buckle if compressive test is carried out on it, and this will not give the required results for the strength test.</p> <p>Line-215: If the concrete is test without any reinforcement, this will mean that we are testing for compressive resistance of the concrete, but not the load bearing capacity of the reinforced-concrete which is the main aim of this work. Bamboo is (<i>Bambusa vulgaris</i>) and rattan cane (<i>Calamus deerratus</i>)</p>
<u>Optional/General</u> comments	More care should be taken in writing all parts of the paper.	Noted