

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_114938
Title of the Manuscript:	Mechanical analysis of large components of wheel type wind power crane
Type of the Article	Method Article

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>1. The manuscript is vital for the scientific community as it offers detailed information on the mechanical analysis of wind power crane equipment. It covers various aspects, including the use of finite element statics analysis, structural mechanics analysis, material selection, working conditions, and static analysis of crane components. The manuscript also presents numerical simulation results and conclusions based on the analysis, making it valuable for researchers and engineers involved in wind power technology.</p> <p>2. The title "Mechanical analysis of large components of wheel type wind power crane" is suitable as it accurately reflects the content of the article, which focuses on the mechanical analysis of wind power crane equipment.</p> <p>3. The article's abstract is comprehensive and summarizes the key points effectively. It covers the history of wind power development in China, increasing demand for wind turbine hoisting equipment, challenges faced in complex geographical environments, and the need for mechanical analysis of wind power crane equipment.</p> <p>4. The manuscript is well-structured, starting with an introduction on wind power development, followed by research status and theoretical analysis of ANSYS. It concludes with a summary of numerical simulation results and design parameter verification.</p> <p>5. The manuscript is a scientifically accurate analysis of wind power crane equipment. It covers material selection, working conditions, and static analysis of the components, using finite element statics analysis and ANSYS software. The scientific and engineering principles applied in the manuscript align with the standards in the field of mechanical analysis and wind power technology.</p> <p>6. The manuscript's references cover various research areas related to mechanical analysis, wind power technology, and structural engineering, from reputable sources. However, it could benefit from more recent sources, such as studies on wind power crane technology and finite element analysis.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Language and quality of the article are suitable for scholarly communication. It effectively conveys technical and scientific information in a clear and coherent manner. Terminology and language used are appropriate for the subject matter, making it suitable for scholarly audiences in the field of mechanical analysis and wind power technology.</p>	
<p>Optional/General comments</p>	<p>The manuscript has a well-organized structure and effectively conveys complex technical information. The inclusion of relevant references also strengthens the credibility of the research. However, I suggest improving the Consuilon and presenting the results more clearly. Overall, this is a valuable contribution to the fields of wind power technology and mechanical analysis.</p>	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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