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JournalName:	<a href="#">JournalofEngineeringResearchandReports</a>
ManuscriptNumber:	Ms_JERR_114938
TitleoftheManuscript:	Mechanicalanalysisoflargecomponentsofwheeltypewind powercrane
TypeoftheArticle	MethodArticle

**PART 1: ReviewComments**

	Reviewer'scomment	Author'scomment(ifagreed withreviewer,correct themanuscriptandhighlightthatpartinthe manuscript.Itismandatorythatauthorsshouldwrite
<p><b>Compulsory</b>REVISIONcomments</p> <p>1. Isthe manuscriptimportant forscientificcommunity? (Please writefewsentences on this manuscript)</p> <p>2. Isthe titleofthe articlesuitable? (Ifnotpleasesuggestanalternativetitle)</p> <p>3. Isthe abstractofthe articlecomprehensive?</p> <p>4. Aresubsectionsandstructureofthe manuscriptappropriate?</p> <p>5. Doyou thinkthe manuscriptisscientificalllycorrect?</p> <p>6. Arethe referencesufficientand recent?Ifyou have suggestionofadditionalreferences,pleasementioninthe review form.</p> <p><u>(Apartfrom abovementioned 6points,reviewersare free toprovideadditional suggestions/comments)</u></p>	<p>Relatively, Yes.</p> <p>Definesafetyfactor Abstractmustbemodified bybringingout the new findingsandnot onthe description whichcomesinthe introduction.</p> <p>Yes.</p> <p>3. Abstracthastobemodifiedasitshouldcontainnew findingsormessage.Present abstractisinthe form ofstatements.Abstractneednot bedescriptive(the needaspectof the problemwithoutgivingthe essenceofthe findingsorresults).</p> <p>4. Formatconsistencyisrequired.Eq. (a) Sec.4.2, no.2 lastsentence, figure2mustbeFig.2. (b) Present[8][9][10]. Shouldbe[8-10]andsimilarothercasestoo. AboveEqn. (5) Present-account [14][15]. Shouldbe[14-15]. (c) 3.1 OVERVIEWOFFINITEELEMENTMETHOD &amp; 3.2 FiniteelementanalysissoftwareANSYS ThesesectionsmustbeeliminatedasFEMisawell-establishedapproachsincelastfive decades.Authormay adddetailslike (i) ForthenumericalanalysisANSYSisavailed. (ii) DetailsonFEmodelshowninFig.1. (iii) Type 3Delementusedwithnumberofnodesper /degreesoffreedomper element, (iv) Boundarycondition, (v) Designspecification, (vi) Jointdetailsandhowitismodeledmaybegiven.</p> <p>5. Yes. Tosomeextend</p> <p>6. Ref.6isnot referred. Errata (i) AccordingtoChapter2-1<sup>st</sup> sentenceinSec 4.1-Chapter? (ii) The3DmodelingmodelofwindpowercranebySolidWorksisshowninFigure 1-4.Fig..2-3w.r.t.thestatement madeisnotavailable.-Sec. 4.11<sup>st</sup>para,8<sup>th</sup> line</p>	
<p><b>Minor</b>REVISIONcomments</p> <p>1. Islanguage/Englishqualityofthe article suitableforscholarly communications?</p>	<p>Acceptable</p>	

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Optional/Generalcomments

- 1) Fortheassembledlargecomponent structure,frequencyofthesystemmustbeknown.  
Say, itshouldbeabove40Hz.
- 2) Fortheassembledof largecomponentstructure, geometricalnonlinearanalysisisamust.
- 3) Thedeformedandundeformedconfigurationtogethermaybegiven.
- 4) Elaborate/explainonimpactofwindloadfactoranditsdirectionthatmaycauseamoment  
/w.r.tdesignultimateloadofwindpowercranemaybegiven.Differenceinsafetyfactor  
withandwithoutwindimpactloadmaybegiven..

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	5) Inordertoascertainthestabilityofthesystem,mentiontheC.Glocationofthesystem 6) Jointdetailsofwindcraneloadhandlingarenotclearandhowitisaccountedinthemodel isnotknown.	
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**PART 2:**

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

**Reviewer Details:**

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