

## Review Form 1.7

Journal Name:	<a href="#">Asian Journal of Geographical Research</a>
Manuscript Number:	<b>Ms_AJGR_118670</b>
Title of the Manuscript:	<b>Terrain Analysis of Elements using LISS-IV Satellite image in Bhainsa region, northwestern part of Nirmal district, Telangana State, India</b>
Type of the Article	<b>Original Research Article</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:

(<https://journalajoger.com/index.php/AJOGER/editorial-policy> )

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**PART 1: Review Comments**

	<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>
<p><b><u>Compulsory</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>Yes.</p> <p>Yes.</p> <p>Yes.</p> <p>Yes.</p> <p>Yes.</p> <p>Yes.</p> <p>The following are additional comments:</p> <p><b>Strengths:</b>            Thorough Analysis: The work conducts a thorough analysis of all the terrain components: topography, lithology, drainage patterns, geomorphological features, land use/land cover, and soil characteristics. Such an all-inclusive approach can help acquire a deeper insight into the geographic features under study.</p> <p><b>Employ Remote Sensing Techniques:</b> The major use of remote sensing techniques in the work is based on satellite imagery (IRS P6-LISS IV). This application allows data to be collected on a large scale but with good accuracy and efficiency, which is a plus point to support detailed terrain analysis.</p> <p><b>In-Depth Results and Discussion:</b> The article puts forward in-depth results and discussion of each component in the terrain analysis under clear subheadings, tables, and maps. This can help enhance the clarity and depth of information provided by the research.</p> <p><b>Practical Implication:</b> The paper discusses the practical implications of the study regarding, for example, the groundwater potentiality of various geomorphological units. Such information will be very useful for land-use planning, management of natural resources, and various developmental activities regarding groundwater under the study area.</p> <p><b>Weaknesses</b>  <b>Lack of Originality in Introduction:</b> Even though the paper does a valuable analysis of the terrain elements regarding remote sensing data used, the introduction, in particular, shares a lot of substance with the already existing literature in the field and the established concepts in geomorphometry and remote sensing. The study could be improved by including more original inputs or hypotheses, so as to build up better novelty.</p> <p><b>Inadequate Information on Methods:</b> Although the article hints at the methodology, data sources, and processing techniques, these are not detailed enough to help another researcher replicate or validate the study. Detailing the methodology used would increase the report's trustworthiness and reproducibility.</p>	

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	<p>Lack of Complete Citation: Although the citations provided in the manuscript are adequate, a few claims and statements are left without specific citation, which makes it rather difficult to verify the information presented. Full and complete citation would increase the academic morale in the report.</p> <p>Generalization of Findings: Although the findings may be transferred to other places with similar settings from this region of Telangana, generalization from this study would be discouraged as other regions have specific characteristics.</p> <p>Overall, the paper contains an important study of terrain analysis by remote sensing techniques in the Bhainsa region of Telangana, India, which will give in-depth information on various elements of terrain and their implications on land use and natural resource management. To enrich the quality of the study, the author can provide more original insights, enhance methodological transparency, assure complete citation of respective sources, and avoid generalizing the findings. Besides, thorough peer review and validation of the method and results will strengthen the scientific rigor and impact.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>None</p>	
<p><b>Optional/General</b> comments</p>	<p>None</p>	

**PART 2:**

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

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