

**Review Form 3**

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_124404
Title of the Manuscript:	<b>Assessment of Groundwater Potential Zones in the Konkan Region Using Geospatial Techniques</b>
Type of the Article	<b>Original Research Article</b>

### Review Form 3

#### PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>1. the importance of this manuscript for the scientific community.</p> <p>2. Why do you like (or dislike) this manuscript?</p>	<p>the importance of this manuscript for the scientific community.</p> <p><b>Yes, the importance of this manuscript for the scientific community in sustaining global water supply, groundwater potential is essential for sustainable water management.</b></p> <p>Why do you like (or dislike) this manuscript?</p> <p><b>Yes, its systematic approach in addressing groundwater potential, a vital resource for global water security.</b></p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Is the title of the article suitable?</p> <p>Yes</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>Is the abstract of the article comprehensive?</p> <p>No</p> <p>Do you suggest the addition (or deletion) of some points in this section?</p> <p><b>1. Mention how the methodology and findings could inform groundwater management strategies not just in the Konkan region but also in other regions facing similar challenges.</b></p> <p><b>2. Adding a note on any limitations of the AHP method or data availability in this region.</b></p> <p><b>3. Add a reference to how this study aligns with global water management priorities, such as the UN's Sustainable Development Goals (SDG 6: Clean Water and Sanitation).</b></p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Are subsections and structure of the manuscript appropriate?</p> <p>1. In introduction part, clearly define the research gap and what this study aims to achieve for the Konkan region.</p> <p>2. Ensure the study area section is distinct from the introduction. This can be a separate section or included as part of the methodology with a subheading.</p> <p>3. Make sure each part of the methodology is in a clear subsection (e.g., <b>Data Collection, Selection of Factors, Application of AHP</b>).</p> <p>4. Consider breaking this into subsections, e.g., <b>Classification of Zones, Spatial Analysis, and Distribution Patterns</b> to present the findings more systematically.</p> <p>5. You may need to expand the <b>Discussion</b> section by connecting your findings to existing literature or potential applications of the results.</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>Why do you think that this manuscript is scientifically robust and technically sound?</p> <p>Yes</p> <p><b>This manuscript demonstrates scientific rigor in both its approach and application, with a well-founded methodology, comprehensive analysis, and clear, actionable outcomes, making it scientifically robust and technically sound.</b></p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>:</p>	<p><b>1. Expanding the reference list to include recent studies, government reports, and relevant books.</b></p> <p><b>2. For better insight, the introduction and subsequent sections should delve deeper into relevant literature, highlighting key references that underscore related influences.</b></p> <p><b>3. Need to correction on study area part, follow some reference and improve area sq.km, Latitude. Longitude etc.</b></p>	

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Minor REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	The writing needs revisions to enhance clarity, coherence, and grammatical accuracy.	
<b>Optional/General</b> comments	<ol style="list-style-type: none"><li>1. A more organized presentation of the methodology would enhance readability and comprehension.</li><li>2. a brief overview of previous studies utilizing similar methodologies would provide context for the current approach.</li><li>3. Ensuring the quality and relevance of data is crucial, especially when making recommendations for water resource management.</li><li>4. Discussing the implications of the findings in terms of water resource management, potential for agricultural development, and impact on local communities would strengthen the overall contribution of the study.</li><li>5. to include a brief explanation of the implications of consistency ratios in AHP and how they relate to the reliability of the results.</li></ol>	

### **PART 2:**

	<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>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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