

**Review Form 1.7**

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_114792</b>
Title of the Manuscript:	<b>Groundwater potential zones using multi – criteria decision making for Mirzapur, District, U.P, India</b>
Type of the Article	<b>Original Research Article</b>

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**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><b><u>Compulsory</u></b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <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><b><u>Minor</u></b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>		
<p><b><u>Optional/General</u></b> comments</p>	<p>This study was conducted for Mirzapur district where the groundwater serves as the main source for domestic and agricultural purposes rather than the surface water. To delineate the potential groundwater zones, geology, drainage density, slope, geomorphology, soil, land use and land cover, and lineament density are constructed as separate layers in the GIS medium. Then, a weighted overlay method was carried out to achieve the graded potential zones, using by AHP method. In addition, the GWP map has been divided into four categories using multi criteria decision analysis.</p> <p>It is suggested</p> <ul style="list-style-type: none"> <li>• The investigated factors are known, therefore, they should be presented in headlines</li> <li>• unnecessary explanations that increase the number of pages of the article should be avoided.</li> <li>• Image processing with GIS is not possible, it is necessary to introduce the program used.</li> <li>• For any type of modeling, it is necessary to estimate the calculation error.</li> <li>• Reduce the number of pages in the article</li> </ul>	

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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>	

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