



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Chemical Sciences</a>
Manuscript Number:	Ms_AJOCS_45061
Title of the Manuscript:	Heavy metal and major ionic contamination level in surface and groundwater of an urban industrialised city: a case study of Rangpur city, Bangladesh
Type of the Article	Original Research Article

**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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)																																																																	
<b>Compulsory</b> REVISION comments	<p>The MS needs to be restructured bearing in mind the following:</p> <ol style="list-style-type: none"> <li>1. The MS is dealing with effluents and not surface water.</li> <li>2. Is the study a background work for future reference, if so surface water should have been included.</li> <li>3. Effluent water cannot be assessed for drinking, irrigation and industrial use.</li> <li>4. Why not consider the level of contamination using existing indices?</li> <li>5. Why not use WHO and Bangladesh Standards? Why mix up standards?</li> <li>6. Consider also processes controlling water chemistry through cross plots and ionic ratios!</li> </ol>	<ol style="list-style-type: none"> <li>1. Manuscript dealing both effluents and surface water, and corrected accordingly.</li> <li>2. Already there are 9 samples of surface water.</li> <li>3. Some times effluent water is use as irrigation water.</li> <li>4. We also incorporate some indices like, SAR, SSP, Hardness and others.</li> <li>5. Mix up standards because in all cases, there is no WHO and Bangladesh standard yet.</li> <li>6. Thanks for suggestion. In future study we will try to incorporate cross plots and ionic ratios.</li> </ol>																																																																	
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<b>Optional/General</b> comments	<p>As above and comments below (see Table at the end)</p> <p>Additional Comments</p> <table border="1"> <thead> <tr> <th>No</th><th>Page</th><th>Line</th><th>Comments</th><th>Remarks</th></tr> </thead> <tbody> <tr> <td>1</td><td>1</td><td>18</td><td>Consider</td><td>....closely related with....</td></tr> <tr> <td>2</td><td>1</td><td>26</td><td>Consider</td><td>.....developing world [2]...</td></tr> <tr> <td>3</td><td>1</td><td>35</td><td>Consider</td><td>.....disposal of domestic, agricultural, municipal and industrial wastes and effluents.....</td></tr> <tr> <td>4</td><td>2</td><td>42-43</td><td>Source (s) of information</td><td></td></tr> <tr> <td>5</td><td>2</td><td>44-53</td><td>Any background study in the area?</td><td>Or is it a baseline study? If so include it</td></tr> <tr> <td>6</td><td>3</td><td>Fig. 1</td><td>Use different symbols for both groundwater and surface water</td><td></td></tr> <tr> <td>7</td><td>3</td><td>Table 1</td><td>Type of sample... Surface water</td><td>The table shows sampling of effluent/drain water and NOT surface water?</td></tr> <tr> <td>8</td><td>4</td><td>128-133</td><td>Why the irrigation classification?</td><td>What are the study objectives? See lines 51-53? Why not drinking, irrigation and industrial use?</td></tr> <tr> <td>9</td><td>5</td><td>149</td><td>Why South African Guidelines?</td><td>Why not WHO or Bangladesh Guidelines? Besides you are dealing with effluent water?</td></tr> <tr> <td>10</td><td>7</td><td>197, 202</td><td>What is me L<sup>-1</sup>?</td><td>milliequivalent per litre? (meq L<sup>-1</sup>)</td></tr> <tr> <td>11</td><td>8</td><td>245-248</td><td>Which explanation of the source (s) Na fits the study area?</td><td></td></tr> <tr> <td>12</td><td>8</td><td>258, 270</td><td>Drinking water?</td><td>Why not drinking, irrigation and industrial use?</td></tr> </tbody> </table>	No	Page	Line	Comments	Remarks	1	1	18	Consider	....closely related with....	2	1	26	Consider	.....developing world [2]...	3	1	35	Consider	.....disposal of domestic, agricultural, municipal and industrial wastes and effluents.....	4	2	42-43	Source (s) of information		5	2	44-53	Any background study in the area?	Or is it a baseline study? If so include it	6	3	Fig. 1	Use different symbols for both groundwater and surface water		7	3	Table 1	Type of sample... Surface water	The table shows sampling of effluent/drain water and NOT surface water?	8	4	128-133	Why the irrigation classification?	What are the study objectives? See lines 51-53? Why not drinking, irrigation and industrial use?	9	5	149	Why South African Guidelines?	Why not WHO or Bangladesh Guidelines? Besides you are dealing with effluent water?	10	7	197, 202	What is me L <sup>-1</sup> ?	milliequivalent per litre? (meq L <sup>-1</sup> )	11	8	245-248	Which explanation of the source (s) Na fits the study area?		12	8	258, 270	Drinking water?	Why not drinking, irrigation and industrial use?	<ul style="list-style-type: none"> <li>• All corrections are done accordingly.</li> </ul>
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**PART 2:**



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	<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>	