

**Review Form 1.7**

Journal Name:	<b>Physical Science International Journal</b>
Manuscript Number:	<b>Ms_PSIJ_112758</b>
Title of the Manuscript:	<b>Study of the Operating Cost of the Electric Pump for Mine Dewatering: Case of the SOMAÏR Uranium Mine</b>
Type of the Article	<b>Good</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>Compulsory</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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>1. <b>Yes, It can provide technical details about pump characteristics.</b></p> <p>2. <b>Yes.</b></p> <p>3. <b>Yes.</b></p> <p>4. <b>No.</b> Grammatical corrections to be done using some online software / assistance for technical paper writing as per standard format.</p> <p>5. <b>Yes</b></p> <p>6. <b>No.</b> Most of the references are several years old. Few additional technical papers are mentioned below with reference to latest research on the same topic. Same may be included in technical paper. Additional Literature survey required.</p>																											
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Grammatical corrections to be done using some online software / assistance for technical paper writing as per standard format.</p>																											
<p><b>Optional/General</b> comments</p>	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Review Comment</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>'Literature survey' part to be added in more precise way to describe latest researches done in the same field after study of latest journals etc. It should also be explained that how these works done by authors is specific and important?</td> </tr> <tr> <td>2</td> <td>After addition of literature survey, latest research references to be added.</td> </tr> <tr> <td>3</td> <td>Objective of the study should be clearly mentioned.</td> </tr> <tr> <td>4</td> <td>Page alignment to be done in proper way as per standard format of journal.</td> </tr> <tr> <td>5</td> <td>Figure of instrument (Pump) / device used for evaluation / experiments to be update in journal for authentication.</td> </tr> <tr> <td>6</td> <td>There should be proper numbering for all formula used in the manuscript.</td> </tr> <tr> <td>7</td> <td>Many words are written in capital letters entirely i.e. REYNOLDS, POISEUILLE, NIKURADSE etc. which is not required. Only first letter can be mentioned if required. Standard format of journal to be followed for the same.</td> </tr> <tr> <td>8</td> <td><math>\lambda = 0,79 \sqrt{\frac{E}{a}}</math>, Formula to be reviewed once again. Whether 0,79 or .79 ?</td> </tr> <tr> <td>9</td> <td>'Meter number' in Table 3 &amp; 4, to be defined properly.</td> </tr> <tr> <td>10</td> <td>Flow sheet of experimental instrument with name of necessary parts should be clearly defined with principle.</td> </tr> <tr> <td>11</td> <td>Mode of prepared 'Figure 2,3,4,5,6&amp;8' to be mentioned in technical paper i.e. MATLAB, MS Office etc.</td> </tr> <tr> <td>12</td> <td>Programming of research work done, if any should be provided to journal for further authenticity and evaluation.</td> </tr> </tbody> </table>	Sl. No.	Review Comment	1	'Literature survey' part to be added in more precise way to describe latest researches done in the same field after study of latest journals etc. It should also be explained that how these works done by authors is specific and important?	2	After addition of literature survey, latest research references to be added.	3	Objective of the study should be clearly mentioned.	4	Page alignment to be done in proper way as per standard format of journal.	5	Figure of instrument (Pump) / device used for evaluation / experiments to be update in journal for authentication.	6	There should be proper numbering for all formula used in the manuscript.	7	Many words are written in capital letters entirely i.e. REYNOLDS, POISEUILLE, NIKURADSE etc. which is not required. Only first letter can be mentioned if required. Standard format of journal to be followed for the same.	8	$\lambda = 0,79 \sqrt{\frac{E}{a}}$ , Formula to be reviewed once again. Whether 0,79 or .79 ?	9	'Meter number' in Table 3 & 4, to be defined properly.	10	Flow sheet of experimental instrument with name of necessary parts should be clearly defined with principle.	11	Mode of prepared 'Figure 2,3,4,5,6&8' to be mentioned in technical paper i.e. MATLAB, MS Office etc.	12	Programming of research work done, if any should be provided to journal for further authenticity and evaluation.	
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	<b>13</b>	In table 4, April & may production and specific energy value to be defined. Zero to be mentioned, if not available.		
	<b>14</b>	In table 5, Why September to December values are not mentioned?		
	<b>15</b>	In page no8, 'The averagespecificconsumptionin 2021 is 1.55 kWh/m <sup>3</sup> ' proper space to be provided between all words. Same to be checked for all words in journal.		
	<b>16</b>	Proper superscript and subscript should be provided for standard words at all places i.e. in Figure 3; 'water volume (m3)' should be 'water volume (m <sup>3</sup> )'		
	<b>17</b>	Horizontal Axis and Vertical Axis should be properly defined in all graphs.		
	<b>18</b>	FLYGT and Godwin Pump characteristics, technical comparison, photos should be available.		
	<b>19</b>	Nomenclature part to be updated separately in technical paper because lots of formula and parameters are mentioned in technical paper.		
	<b>20</b>	Abbreviations to be added in separate section since several symbols are used in the technical paper.		
	<b>21</b>	Unit of all signs /parameter values should be considered same standard i.e. SI etc.		
	<b>22</b>	Method / experiments are not clearly defined.		
	<b>23</b>	Any assumptions considered for the technical paper to be mentioned.		
	<b>24</b>	Conflicts of Interest to be added, if any.		
	<b>25</b>	Grammatical corrections to be done using some online software / assistance for technical paper writing.		
	<b>26</b>	Most of the references are several years old. Few additional technical papers are mentioned below with reference to latest research on the same topic. Same may be included in technical paper; [1]. Vipin Kumar Sharma, Suman Sarkar and M.S.Rao et al., "Technical modifications of alkali leaching circuit to improve slurry throughput into the autoclave", Suranaree J. Sci. Technol., Vol. 30, No. 4; July-August 2023, 010247(1-7), DOI: <a href="https://doi.org/10.55766/sujst-2023-04-e0998">https://doi.org/10.55766/sujst-2023-04-e0998</a> . [2]. Vipin Kumar Sharma, Sunil Kumar Thamida and B Naveen Kumar Reddy, "Engineering study of water jacket system in place of a spiral heat exchanger at mining and mineral ore processing industry", European Chemical Bulletin, Volume-12, Issue-7, Page:1507-1512, 2023. doi: 10.48047/ecb/2023.12.7.1132023.13/06/2023. [3]. Vipin Kumar Sharma, Suman Sarkar and M.S.Rao et al., "Effective use of LDO fired boiler flue gas in carbonation of process liquor at alkali leaching based Tummalapalle Mill", CEM India International Conference, Asian Environmental Technology Journal, Volume:23, Issue:4, October-November, 2019, Pg. 37-39.		
	This technical paper can be accepted for publication after suggested corrections as above. Grammatical corrections to be done using some online software / assistance for technical paper writing.			

**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:**

Name:	<b>Vipin Kumar Sharma</b>
Department, University & Country	<b>Indian Institute of Technology, India</b>