

Review Form 1.7

Journal Name:	Asian Journal of Advanced Research and Reports
Manuscript Number:	Ms_AJARR_119782
Title of the Manuscript:	Study on high and low temperature performance of straw fiber modified asphalt
Type of the Article	

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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><u>Compulsory</u> REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes, it may be important for the scientific community, if more literature will be added to the introduction part related to the use of straw fiber in various fields.</p> <p>Please modify it. It may be replaced with- "Comparative Study on the Properties of Different Fiber-Modified Asphalts"</p> <p>Abstract can be further improved by adding one or two lines related to the problems associated with the straw fiber in environment or asphalt properties. The font size must be kept same for the whole abstract.</p> <p>Subsections and structure must be improved by following this structure: Abstract, Introduction, Materials, Experimental investigation, Results and discussion, Conclusions, References. The following article can be referred to improve the structure of the manuscript: https://doi.org/10.1016/j.jobe.2023.107860</p> <p>More references must be added to justify the study carried out in the present case.</p> <p>More literature review must be carried out to find out the research gaps. Please add 4 to 6 more references after adding more literature to the Introduction section.</p> <p>Comments: Please add data related to the amount of straw fiber generated yearly in India or country. Please add few lines, how it is causing pollution to the environment.</p> <p>Please explain what type of reaction taking between fiber and asphalt leading to the improvement in the properties.</p> <p>The sentences "The performance test is carried out according to the requirements of lignin fiber in 'Lignin fiber for asphalt pavement ' (JT / T 533-2004), see Table 3" has citation of "JT / T 533-2004" But it is not in the list of references. Pleas cite this code "JT / T 533-2004" in Table 3.</p> <p>Add discussion to the Table 3. Replace "Pilot Project" with "Parameters" in table 3.</p> <p>Add discussion to Table 4.</p> <p>Justify the reason behind the selection of 3% fiber or add references to it. Rewrite the sentences, "In different types of fiber modified asphalt, penetration : cotton straw fiber modified asphalt > polyester fiber modified asphalt > basalt fiber modified asphalt, indicating that the addition of basalt fiber has a greater improvement in asphalt consistency. Softening point : basalt fiber modified asphalt > polyester fiber modified asphalt > cotton straw fiber modified asphalt, indicating that the addition of basalt fiber can effectively improve the high temperature performance of asphalt". It is not acceptable in journal papers. Explain properly.</p> <p>Conclusions should be revised.</p>	

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<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The manuscript is written in poor English. Some of the sentences are too long to understand. Like first line of Introduction Section. Please check line "Based on this, this paper compares the high and low temperature performance of different fiber modified asphalt...."</p> <p>Check sentence, "Determine the material into the quality of 50 g, the length of the..."</p> <p>The sentence "The longer the soaking time is, the lower the oil absorption rate will be." should be replaced with "The longer the soaking time is, the lower will be the rate of oil absorption."</p> <p>Please check past and present tense in the sentences. Use "was" in the sentences "Therefore, the optimum soaking time of cotton stalk fiber is determined to be 3d."</p> <p>The sentence, "The cotton straw fiber prepared by is similar to the flocculent lignin fiber." is incomplete.</p> <p>Replace "Different types of fiber physical and technical testing" with " Physical and technical testing of different types of fiber"</p>	
<p>Optional/General comments</p>	<p>-</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>	

Reviewer Details:

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