Review Form 3

Journal Name:	**Journal of Engineering Research and Reports**
Manuscript Number:	**Ms_JERR_122854**
Title of the Manuscript:	**Environmental Impact Assessment of Reusing Baghouse Dust in Asphalt Concrete Production**
Type of the Article	**Original Research Article**

General guidelines for the 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.
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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)*
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
Are subsections and structure of the manuscript appropriate?		
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.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -		

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Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**		
Optional/General comments	Review by Dr.K.Sreekar Chand on “Environmental Impact Assessment of Reusing Baghouse Dust in Asphalt Concrete Production” Summary: This research article thoroughly examines the environmental impact of reusing baghouse dust in asphalt concrete production. The authors investigate both the benefits and drawbacks of this practice, providing valuable insights for future research and implementation. Key Strengths: 1. Thorough Methodology: o The study employs a well-designed methodology, including experimental testing and environmental impact assessment. o Rigorous methods enhance the reliability of the findings. 2. Detailed Analysis: o The authors analyse results comprehensively, considering both mechanical properties and environmental impacts. o This detailed approach contributes to the study’s credibility. 3. Clear Findings: o The key findings are presented concisely, making them accessible to readers. o Clarity facilitates understanding of the research’s significance. 4. Practical Recommendations: o The study offers practical recommendations for implementing baghouse dust reuse in asphalt concrete production. o These actionable insights benefit practitioners and policymakers. Areas for Improvement: 1. Long-Term Performance: o While short-term effects are explored, further research is needed to assess the long-term performance of asphalt mixtures containing baghouse dust. o Investigating durability and aging effects would enhance the study. 2. Economic Analysis: o An economic analysis would provide context for the environmental benefits of baghouse dust reuse. o Cost-benefit considerations are crucial for practical implementation. 3. Variability in Baghouse Dust Composition: o Acknowledging the variability in baghouse dust composition is essential. o Future research could explore how this variability impacts asphalt mixture performance. Conclusion: This research significantly contributes to sustainable construction materials. By demonstrating the environmental benefits of baghouse dust reuse in asphalt concrete production, the authors emphasize the need for careful consideration of mechanical properties and long-term performance. Practitioners and policymakers can use the study’s recommendations to promote more sustainable practices.	

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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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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