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## REVIEWER'S REPORT

**Manuscript No.: IJAR-56013**

**Title: Green supply chain practices are key to reducing carbon emissions in the logistics sector in Saudi Arabia**

**Recommendation:**

Accept as it is .....  
Accept after minor revision.....  
**Accept after major revision .....**  
Do not accept (*Reasons below*) .....

| Rating         | Excel. | Good | Fair | Poor |
|----------------|--------|------|------|------|
| Originality    |        | x    |      |      |
| Techn. Quality |        |      | x    |      |
| Clarity        |        |      | x    |      |
| Significance   |        | x    |      |      |

**Reviewer Name: Dr. Hari Prashad Joshi**

### *Detailed Reviewer's Report*

This manuscript presents a timely and relevant investigation into green supply chain management (GSCM) practices for carbon emission reduction within Saudi Arabia's logistics sector, aligning with the national Saudi Vision 2030 objectives. The research problem is well-articulated, highlighting a clear gap between policy imperatives and practical implementation challenges. The methodological approach employing a mixed-methods design is appropriate, and the findings on variable adoption rates and potential emission reductions offer valuable empirical insights specific to the regional context. However, the manuscript requires major revisions prior to acceptance. Key concerns include a lack of depth in the methodology section regarding the integration of qualitative and quantitative data, and how the sampling strategy ensures representativeness.

The presentation of findings, particularly the visual data (e.g., pie chart, bar graph), is described but not provided in a usable format for review, hindering assessment. Furthermore, the discussion section would benefit from a more critical synthesis linking identified barriers (e.g., high costs, regulatory fragmentation) directly to the conceptual framework and offering more nuanced, actionable policy recommendations. Notably, content on pages 13-14 diverges into a discussion of AI in drilling operations, which is irrelevant to the core topic and must be removed entirely. Strengthening the theoretical grounding, clarifying the analytical procedures, ensuring structural consistency, and tightening the focus will significantly enhance the manuscript's contribution and rigor.