

REVIEWER'S REPORT

Manuscript No.: IJAR- 58381

Title: INDIAÂ'S ELECTRONICS SECTOR: GROWTH TRENDS, E-WASTE PROJECTIONS, AND FUTURE OUTLOOK.

Recommendation:

Accept

Rating	Excel.	Good	Fair	Poor
Originality	Yes			
Techn. Quality		Yes		
Clarity	Yes			
Significance		Yes		

Reviewer Name: Dr. Ashish Yadav

Detailed Reviewer's Report

Reviewer's Comment for Publication.

Acceptance Comments are mentioned below suitable for the paper titled "INDIAÂ'S ELECTRONICS SECTOR: GROWTH TRENDS, E-WASTE PROJECTIONS, AND FUTURE OUTLOOK"

Reviewer Comments: Accept

Reviewer Comments –

1. Introduction

The introduction clearly establishes the rapid expansion of India's electronics sector and effectively highlights its contribution to economic growth, industrial development, and technological advancement. It successfully connects this growth with the emerging challenge of increasing e-waste generation, emphasizing its environmental and public health implications. The research objectives are clearly articulated, and the need for forecasting future e-waste generation is well justified. Overall, the introduction provides a strong motivation for the study and demonstrates its relevance to sustainable development and circular economy initiatives.

2. Literature Review

The literature review presents a comprehensive overview of previous studies related to electronics industry growth, e-waste generation, environmental regulations, and forecasting methodologies. The authors have effectively synthesized national and international research to identify existing knowledge gaps and justify the necessity of the present work. The discussion of government initiatives and policy frameworks further strengthens the theoretical foundation of the study. The review successfully positions the research within the broader context of sustainable electronics management and circular resource utilization.

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3. Solution Approach (Methodology)

The methodology is systematic, well-structured, and appropriate for addressing the research objectives. The use of historical data combined with forecasting techniques implemented in RStudio provides a reliable framework for projecting future e-waste generation. The selection of the Exponential Trend Model based on model performance demonstrates methodological rigor and scientific justification. The analytical procedure is transparent, reproducible, and suitable for supporting evidence-based policy decisions in the electronics sector.

4. Results and Discussion

The results clearly illustrate the strong relationship between the rapid growth of India's electronics industry and the projected increase in e-waste generation. The forecasting outcomes are logically interpreted, providing valuable insights into future environmental challenges and resource management requirements. The discussion effectively links the findings with sustainable development goals, circular economy practices, and policy implications. The conclusions drawn from the analysis are well supported by the presented results and offer practical guidance for policymakers and industry stakeholders.

5. Conclusion

The conclusion effectively summarizes the key findings and reinforces the importance of integrating industrial growth with sustainable e-waste management strategies. The study successfully demonstrates that future increases in electronics production will significantly influence e-waste generation, highlighting the need for stronger recycling infrastructure and regulatory mechanisms. The recommendations provided are practical and relevant for promoting circular economy practices and environmental sustainability. Overall, the manuscript makes a valuable academic and practical contribution and is suitable for publication.