

## REVIEWER'S REPORT

Manuscript No.: **IJAR-53747**

Date: 10-09-2025

**Title: Impact of Urban Connectivity on Economic Growth: Quantitative Study**

### Recommendation:

**Accept as it is** .....

Accept after minor revision.....

Accept after major revision .....

Do not accept (*Reasons below*) .....

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

Reviewer Name: Dr.P.Manochithra

**Date:** 10-09-2025

### Reviewer's Comment for Publication.

*(To be published with the manuscript in the journal)*

*The reviewer is requested to provide a brief comment (3-4 lines) highlighting the significance, strengths, or key insights of the manuscript. This comment will be Displayed in the journal publication alongside with the reviewers name.*

This paper provides valuable empirical evidence on the positive relationship between road and railway connectivity and regional economic growth in India. The study's use of panel regression enhances its robustness, and the findings underscore the importance of infrastructure investment in reducing regional disparities. It makes a timely and significant contribution to the policy debate on sustainable economic development.

## REVIEWER'S REPORT

*Detailed Reviewer's Report*

**Title of the Paper:** Impact of Urban Connectivity on Economic Growth: Quantitative Study

**General Assessment:**

The manuscript presents a well-structured, quantitative analysis of how road and railway infrastructure influences economic growth across 15 Indian states. Its use of a fixed effects panel regression model is appropriate, and the results are statistically strong and highly relevant for policymakers and scholars. Overall, the paper contributes important insights to the literature on infrastructure-led development.

**Strengths of the Manuscript:**

- Relevance:** The topic is timely and significant, given India's ongoing push for infrastructure-led growth.
- Methodology:** The use of fixed effects panel regression strengthens the reliability of findings by controlling for state-specific characteristics.
- Empirical Evidence:** The statistical results are robust, with strong explanatory power (Adjusted  $R^2 = 0.966$ ).
- Policy Contribution:** The findings have direct implications for transport policy, regional development, and reducing disparities.
- Clarity of Objective:** The research question is clearly defined and effectively addressed.

**Weaknesses / Areas for Improvement:**

- Literature Review:** While the review cites relevant Indian studies, inclusion of more international comparative literature could broaden the perspective.
- Discussion Section:** The discussion could be expanded to contrast findings across states, particularly where results showed negative or insignificant impacts (e.g., Kerala, Manipur).
- Data Presentation:** Some tables could be simplified for readability (e.g., Table-2 with multiple state dummy coefficients).

# International Journal of Advanced Research

Publisher's Name: Jana Publication and Research LLP

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4. **Limitations:** The study would benefit from an explicit limitations section, such as reliance on secondary data, exclusion of other infrastructure variables, or potential endogeneity.
5. **Language and Style:** Minor grammatical and stylistic refinements are needed to improve flow and readability.