

REVIEWER'S REPORT

Manuscript No.: IJAR-54221

Date: October 7, 2025

Title: Accelerating Green Manufacturing & Renewable Energy Equipment Production for India's Sustainable Urban Growth

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 Lakhdar Guerine

Date:

Detailed Reviewer's Report

This paper examines India's strategies for *green manufacturing* and renewable energy equipment production to foster sustainable urban growth. Based on an extensive literature review and national datasets, it assesses key policy instruments (PLI, PAT) and their environmental and economic impacts. Findings highlight the potential to cut 30 MtCO₂ annually, create over one million jobs, and save USD 1 billion in import costs. Yet, high SME costs and low R&D intensity constrain policy effectiveness. The study proposes an integrated policy framework combining green financing, public-private innovation, and inter-state policy harmonization.

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Strengths

1. Timely and relevant topic aligned with sustainability and energy transition agendas.
2. Well-structured manuscript with clear linkage between challenges, policies, and recommendations.
3. Strong use of recent and credible governmental, industrial, and academic sources.

Weaknesses

1. Relies solely on secondary data without empirical validation or quantitative modeling.
2. Too many descriptive figures with limited analytical depth or correlation discussion.
3. Methodology and discussion sections could be more concise and critically synthesized.

Recommendation:

After moderate methodological reinforcement (e.g., adding empirical or case-based analysis).