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**Strategic Leadership and Sustainability Outcomes in India: Insights from The National Development Indicators**

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Peer Review Information	Abstract
<p><i>Submission: 17 March 2026</i></p> <p><i>Revision: 06 April 2026</i></p> <p><i>Acceptance: 21 April 2026</i></p> <p><b>Keywords</b></p> <p><i>Strategic leadership, Sustainable development, National development indicators, SDGs</i></p>	<p>Sustainability has become a central priority in contemporary governance as nations seek to balance economic growth, social equity, and environmental protection. Strategic leadership plays a crucial role in shaping policies that guide sustainable development and improve long-term development outcomes. This study examines the relationship between strategic leadership and sustainability performance in India by analyzing national development indicators derived from official policy reports and international development assessments. Using secondary data from the Human Development Report, the SDG India Index, the Economic Survey of India, and environmental policy documents, the study evaluates progress in key areas such as renewable energy expansion, sanitation coverage, water access, forest conservation, and human development indicators. The findings indicate that leadership-driven policy initiatives have significantly contributed to improvements in sanitation, renewable energy capacity, and access to basic services. India's overall SDG score increased from 57 in 2018 to 66 in 2023, while renewable energy capacity has expanded substantially over the past decade. Despite these achievements, regional disparities, environmental pressures, and institutional coordination challenges continue to influence sustainability outcomes. The study concludes that strengthening strategic leadership, improving policy integration, and expanding data-driven governance frameworks are essential for sustaining progress toward the Sustainable Development Goals.</p>

**Introduction**

Sustainable development has emerged as a critical objective in national and global policy agendas during the twenty-first century. The adoption of the Sustainable Development Goals (SDGs) by the United Nations in 2015 created a comprehensive framework for addressing challenges related to poverty, environmental degradation, and social inequality. Achieving these goals requires coordinated governance structures and effective leadership capable of

translating policy commitments into measurable development outcomes. Strategic leadership refers to the ability of leaders to formulate long-term visions, coordinate institutional mechanisms, and guide policy implementation toward achieving developmental objectives. Within the context of sustainability, strategic leadership involves integrating environmental protection, social welfare, and economic development into public policy and governance structures. Governments play a central role in

creating policies that shape development trajectories, regulate resource management, and promote inclusive growth.

India provides an important context for examining the relationship between leadership and sustainability performance. Over the past decade, several policy initiatives have focused on improving development indicators while addressing environmental challenges. According to the SDG India Index, the national SDG score improved from 57 in 2018 to 66 in 2023, indicating steady progress toward sustainable development targets (NITI Aayog, 2023). Improvements in sanitation infrastructure, renewable energy generation, and access to clean cooking fuel illustrate the impact of coordinated policy initiatives. Human development indicators also demonstrate gradual progress in improving living standards. The United Nations Development Programme reported that India's Human Development Index (HDI) increased from 0.549 in 2010 to 0.644 in 2023 (UNDP, 2023). These improvements reflect advancements in life expectancy, educational attainment, and income levels. The purpose of this study is to analyze how strategic leadership influences sustainability outcomes in India by examining national development indicators. By assessing statistical data from official reports, the study highlights the role of leadership in promoting sustainable development policies and improving socio-economic and environmental conditions.

### Literature Review

Scholars have highlighted that leadership plays a crucial role in translating sustainability goals into effective policy outcomes and institutional practices. Strategic leadership involves the ability to formulate long-term visions, mobilize resources, and guide institutions toward sustainable objectives. Sachs (2015) argues that effective leadership is necessary for integrating economic development, environmental sustainability, and social inclusion within governance systems, while Baker (2016) emphasizes that sustainability requires coordinated policy action supported by capable leadership structures.

Several studies have also explored the relationship between governance frameworks and sustainability performance. Porter and Kramer (2019) suggest that strategic leadership can promote sustainable development by aligning economic strategies with social and environmental priorities. Leadership-driven policies encourage responsible resource management, expansion of renewable energy, and improvements in social welfare systems,

which contribute to long-term economic resilience. Development indicators have become important tools for evaluating sustainability progress. The Human Development Report published by the United Nations Development Programme provides key indicators such as life expectancy, education levels, and income distribution (UNDP, 2023), while the SDG India Index developed by NITI Aayog measures national progress across sectors such as health, energy, sanitation, and infrastructure (NITI Aayog, 2023).

Scholars also highlight major environmental challenges including climate change, biodiversity loss, and resource depletion that threaten sustainable development (Rockström et al., 2017). Despite progress in sustainability initiatives, challenges such as regional disparities, institutional coordination gaps, and governance limitations remain significant. Gupta and Vegelin (2016) therefore argue that achieving sustainable development requires integrated policy frameworks that combine economic, social, and environmental objectives supported by effective leadership and governance systems. While existing research provides important insights into sustainability policies and governance, this study differs by specifically examining the relationship between strategic leadership and sustainability performance in India through an analysis of national development indicators and policy data.

### Research Methodology

This research adopts a qualitative policy analysis approach supported by quantitative indicators derived from official statistical reports. The aim is to provide an evidence-based understanding of how strategic leadership contributes to sustainability performance within a national development context. Statistical tables were used to present key development indicators and highlight the impact of policy initiatives over time. The analysis focuses on identifying relationships between policy frameworks, leadership strategies, and measurable development outcomes.

### Human Development and Social Progress

Strategic leadership plays an important role in designing policy frameworks that guide sustainable development initiatives. Governments formulate policies that influence resource management, environmental protection, and socio-economic development. Effective leadership ensures that sustainability objectives are integrated into development planning and governance systems. Social

sustainability is closely linked to improvements in human development indicators such as health, education, and income. Policies that promote inclusive growth and social welfare contribute to long-term sustainability by improving the quality of life of citizens.

According to the Human Development Report, India's HDI value increased to 0.644 in 2023, reflecting improvements in life expectancy and educational attainment (UNDP, 2023). Life expectancy has increased gradually due to improvements in healthcare infrastructure and public health initiatives. Educational indicators also show progress. Increased enrollment in primary and secondary education has contributed to improved literacy rates and educational attainment across the country.

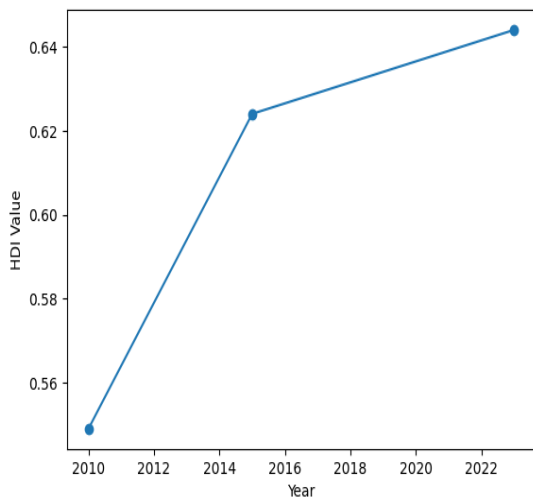


Figure 1: Trend in Human Development Index in India

Source: Human Development Report

### Renewable Energy and Environmental Sustainability

Environmental sustainability represents a key component of long-term development planning. Climate change, deforestation, and environmental degradation pose significant risks to economic and social development. Effective leadership is required to design policies that protect natural resources while supporting economic growth. Data from the India State of Forest Report indicate that forest and tree cover accounts for approximately 24.62 percent of the country's geographical area (Forest Survey of India, 2021). This represents a gradual increase compared with earlier decades and reflects ongoing afforestation and conservation efforts.

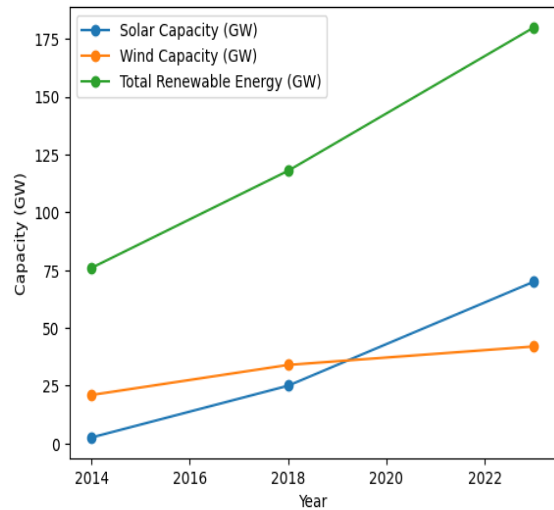


Figure 2: Growth of Renewable Energy Capacity in India

### Expansion of Basic Services

Access to basic services such as sanitation, drinking water, and clean energy is essential for sustainable development. Infrastructure development improves public health, enhances productivity, and supports economic growth. Sanitation coverage has expanded significantly over the past decade. Official data indicate that rural sanitation coverage increased from 39 percent in 2014 to nearly universal coverage by 2019 (Government of India, 2023). This expansion has contributed to improved public health outcomes. Access to drinking water has also improved due to infrastructure development programs.

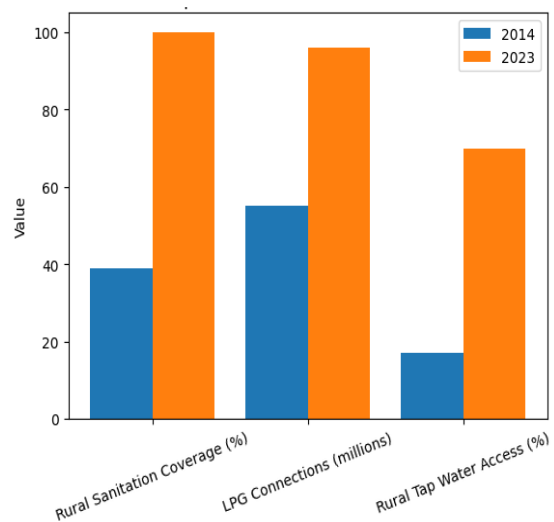


Figure 3: Expansion of Basic Services in India

### SDG Progress and Institutional Governance

Monitoring development progress requires reliable indicators and data-driven governance systems. The SDG India Index provides a comprehensive framework for assessing

progress toward the Sustainable Development Goals. According to the SDG India Index, India's overall score improved from 57 in 2018 to 66 in 2023 (NITI Aayog, 2023), indicating gradual progress in achieving sustainable development goals. This increase reflects improvements in areas such as sanitation, energy access, and infrastructure development.

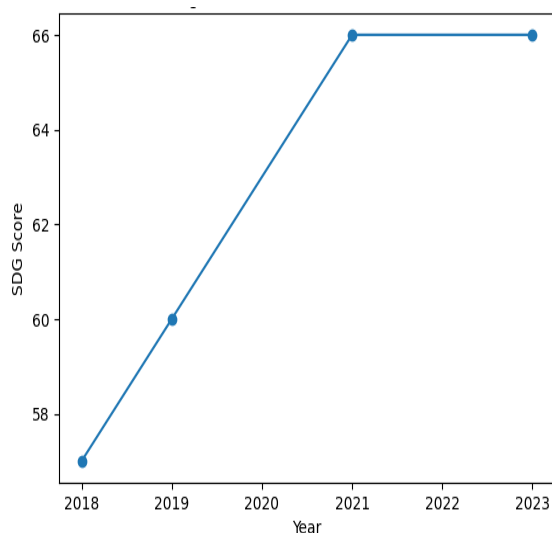


Figure 4: Progress in SDG India Index Scores

Source: NITI Aayog

The analysis of development indicators suggests that strategic leadership has played an important role in advancing sustainability outcomes. The statistical indicators analyzed in this study demonstrate the importance of strategic leadership in guiding sustainability initiatives. Policy frameworks focused on renewable energy, sanitation, and infrastructure development have contributed to measurable improvements in development indicators. The expansion of renewable energy capacity illustrates a transition toward environmentally sustainable energy systems. Similarly, improvements in sanitation and water access have contributed to better public health outcomes and improved living conditions. However, regional disparities and environmental pressures continue to influence sustainability performance. Addressing these challenges requires continued policy innovation and stronger institutional coordination.

### Conclusion

Strategic leadership plays a crucial role in promoting sustainable development by guiding policy formulation, coordinating institutions, and ensuring effective program implementation. The analysis of national development indicators demonstrates that sustainability-oriented

policies have contributed to significant improvements in renewable energy production, sanitation infrastructure, and human development outcomes. Although substantial progress has been achieved, challenges related to environmental sustainability, regional disparities, and governance coordination remain significant. Strengthening leadership capacity, improving policy integration, and expanding data-driven governance systems will be essential for sustaining progress toward the Sustainable Development Goals. Continued commitment to sustainability-oriented leadership can help ensure that economic growth, environmental protection, and social development progress together in a balanced and inclusive manner.

The study reveals several key findings. First, policy initiatives supported by strategic leadership have significantly improved sustainability indicators such as renewable energy production and sanitation coverage. Second, improvements in human development indicators demonstrate the positive impact of social welfare policies. Third, environmental conservation programs have contributed to increased forest cover and expanded renewable energy capacity. The findings also highlight the importance of data-driven governance in monitoring sustainability performance. Development indicators provide valuable insights into policy effectiveness and help identify areas that require further intervention.

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