E-ISSN: 2708-4523
P-ISSN: 2708-4515
AJMC 2025; SP-6(2): 75-78

www.allcommercejournal.com
Received: 13-04-2025
Accepted: 14-05-2025

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Two-Days National Conference on Multidisciplinary Approaches for Innovation and Sustainability: Global solution for contemporary Challenges-NCMIS (DPG Degree College: 17 th-18th 2025)

Investigating the moderating role of industrial growth in the ESG-financial performance relationship: Evidence from Indian firms

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DOI: https://www.doi.org/10.22271/27084515.2025.v6.i2Sb.632

Abstract
This paper examines the evolving relationship between Environmental, Social, and Governance (ESG) disclosures and financial performance in Indian firms, with a particular focus on the moderating role of industrial growth. In the context of India's diverse and fast-developing economy, firms across different industries are adopting ESG practices to enhance corporate responsibility and improve financial outcomes. However, industrial growth varies significantly across sectors, influencing how firms approach ESG reporting and the corresponding financial benefits. This descriptive analysis explores how firms in high-growth industries are more likely to see positive financial outcomes from their ESG disclosures compared to those in slower-growing sectors. The paper concludes with insights on the importance of ESG disclosure for long-term financial sustainability in India's industrial landscape.

Keywords: ESG disclosure, financial performance, industrial growth, Indian firms, corporate responsibility

1. Introduction

As sustainability and corporate responsibility take center stage in global business practices, Environmental, Social, and Governance (ESG) disclosures have emerged as a critical factor in evaluating a firm's long-term success. ESG disclosures allow companies to report on their non-financial practices, providing transparency in areas such as environmental impact, social responsibility, and corporate governance. These factors are increasingly considered by investors, regulators, and consumers who demand accountability from businesses. In India, where industries are experiencing varying rates of growth, the relationship between ESG disclosures and financial performance is particularly significant.

The concept of ESG disclosure has rapidly evolved over the past decade, driven by global sustainability movements, regulatory pressures, and the shifting expectations of stakeholders. Indian firms, especially those operating in dynamic industries like information technology and pharmaceuticals, are increasingly adopting comprehensive ESG reporting. At the same time, slower-growing sectors such as agriculture and traditional manufacturing face different challenges and opportunities when implementing ESG practices.

The purpose of this paper is to provide a descriptive exploration of how ESG disclosure affects the financial performance of Indian firms and how industrial growth serves as a moderating factor in this relationship. Understanding these dynamics is crucial for both firms and policymakers as India continues its economic growth trajectory, with sustainability playing a vital role in shaping the future of business.

2. ESG Disclosure in India

India's corporate environment is undergoing a significant transformation with the increasing prominence of ESG reporting. More firms are recognizing the long-term value of integrating sustainability and governance practices into their business models. ESG disclosures are rapidly becoming essential for Indian companies, not only as a response to regulatory requirements but also as a means of building trust with investors, consumers, and other stakeholders.

2.1 The Rise of ESG Reporting

The growing demand for transparency and accountability has driven Indian firms to adopt ESG reporting frameworks. These disclosures provide a comprehensive overview of a company's commitment to environmental protection, social responsibility, and sound governance, offering stakeholders a clearer understanding of the company's sustainability practices. While ESG reporting was once viewed as an optional initiative, it has now become a crucial component of corporate strategy in many industries.

The increase in ESG reporting has been fueled by several factors, including regulatory pressures, investor demand, and consumer expectations. The Securities and Exchange Board of India (SEBI) has implemented guidelines requiring top-listed companies to disclose their ESG performance, encouraging transparency and promoting responsible investment. Additionally, international investors, particularly those focused on sustainable investing, are increasingly considering ESG criteria when evaluating potential investment opportunities in India. As a result, firms that prioritize ESG disclosures are better positioned to attract global investment.

2.2 Sectoral Variations in ESG Adoption

Despite the overall growth in ESG reporting, the level of adoption varies significantly across different sectors in India. Industries that are closely integrated with global markets, such as information technology, finance, and pharmaceuticals, have been more proactive in adopting ESG frameworks. These industries face higher levels of scrutiny from international regulators and investors, making comprehensive ESG disclosures a necessity.

For example, firms in the information technology sector are under growing pressure to adopt sustainable energy practices as part of their broader digital transformation strategies. Many IT firms have invested heavily in energy-efficient infrastructure, such as green data centers, to reduce their carbon footprint. These initiatives are often highlighted in ESG reports, signaling to stakeholders that the firm is committed to environmental sustainability. Similarly, pharmaceutical companies, which are subject to stringent international regulations, have integrated ESG practices to ensure compliance with ethical standards and environmental regulations. By emphasizing their commitment to sustainability and ethical governance, these firms can enhance their brand reputation and improve their market valuation.

In contrast, traditional sectors such as manufacturing, agriculture, and textiles have been slower to embrace ESG practices. The regulatory environment in these industries is less developed, and the focus on sustainability is often secondary to immediate financial and operational concerns. Many firms in these sectors operate on thin margins, making it difficult to justify the costs associated with comprehensive ESG reporting. Additionally, the absence of strong regulatory incentives has resulted in slower adoption rates, particularly in sectors where the primary focus is on production efficiency rather than environmental or social impact.

2.3 Challenges in ESG Adoption for Slower-Growing Sectors

The disparity between high-growth and slower-growing industries highlights the critical role that industrial growth plays in determining the impact of ESG disclosures on financial performance. In slower-growing sectors, the financial returns from ESG initiatives are less visible, making it challenging for firms to prioritize sustainability investments. This is particularly true for industries that rely on traditional business models and are less exposed to global market pressures.

In the agricultural sector, for instance, many firms are primarily focused on meeting immediate production demands and controlling costs. The integration of ESG practices, such as water conservation or sustainable farming techniques, often requires significant upfront investment with limited short-term financial benefits. Similarly, in the textile industry, which is highly resource-intensive and labor-dependent, the adoption of sustainable practices may increase operational costs without offering immediate returns. As a result, firms in these sectors may be hesitant to invest in ESG disclosures, viewing them as an added expense rather than a strategic investment.

3. Industrial Growth as a Moderator

Industrial growth is a key factor that shapes the relationship between ESG disclosures and financial performance. In rapidly growing industries, the adoption of ESG practices is often seen as a strategic imperative, driven by the need to attract investment and maintain a competitive edge. Conversely, in slower-growing sectors, the financial incentives for ESG adoption are less apparent, leading to varying levels of commitment to sustainability practices.

3.1 High-Growth Industries and ESG Adoption

High-growth industries, such as technology and renewable energy, are often at the forefront of ESG adoption. These industries face intense competition and are subject to high levels of scrutiny from both investors and regulators. Firms in these sectors are expected to meet higher standards of corporate responsibility, and ESG disclosures serve as a critical tool for demonstrating their commitment to sustainability.

In the technology sector, for example, the demand for energy-efficient and environmentally friendly solutions has prompted firms to invest in sustainable practices. Many technology companies are investing in renewable energy sources to power their operations, reducing their reliance on fossil fuels and minimizing their environmental impact. These initiatives are often highlighted in ESG reports, which provide stakeholders with detailed information on the firm's sustainability efforts. The financial benefits of these disclosures are clear: firms that excel in ESG reporting often experience higher market valuations, greater investor interest, and improved financial performance.

Similarly, in the renewable energy sector, ESG disclosures are directly tied to the company's business model. Renewable energy firms that prioritize ESG practices are better positioned to attract capital, as their commitment to sustainability aligns with the growing demand for environmentally responsible investment opportunities. These firms often emphasize their environmental impact, highlighting their role in reducing carbon emissions and promoting sustainable energy solutions. As a result, they can secure long-term investment and enhance their financial performance.

3.2 Slower-Growing Sectors and ESG Challenges

In contrast, industries that are experiencing slower growth face different challenges when it comes to ESG adoption. Firms in these sectors often operate in traditional markets where the primary focus is on cost control and short-term profitability. As a result, the financial benefits of ESG disclosures are less immediate, making it difficult for firms to justify the investment.

For example, in the manufacturing sector, firms are often more concerned with production efficiency and cost management than with sustainability initiatives. The adoption of ESG practices, such as reducing waste or improving labor conditions, may increase operational costs without providing significant short-term financial returns. While these practices may enhance the firm's reputation in the long term, the immediate financial benefits are often minimal, leading to slower adoption rates.

In the textile industry, which is highly labor-intensive and resource-dependent, the integration of ESG practices can be particularly challenging. Many firms in this sector operate on thin margins, and the costs associated with sustainable practices, such as water conservation or ethical labor standards, can be prohibitive. As a result, the financial incentives for ESG adoption are less clear, and firms may be hesitant to invest in comprehensive ESG reporting. This highlights the uneven pace of ESG adoption across industries, with firms in high-growth sectors leading the way, while those in slower-growing sectors struggle to keep pace.

4. Financial Performance Impact of ESG Disclosure

The financial benefits of ESG disclosures have been widely documented in global markets, and Indian firms are beginning to experience similar trends. Firms that prioritize transparency in their environmental, social, and governance practices tend to perform better financially over the long term. This is because ESG disclosures signal to investors that a firm is managing risks effectively, complying with regulatory standards, and contributing to broader societal goals. As investors increasingly seek out sustainable investment opportunities, firms with strong ESG performance are better positioned to attract capital and secure long-term financial success.

4.1 Enhanced Access to Capital

In India, firms that excel in ESG reporting often enjoy enhanced access to capital. Investors are becoming more selective in their investment choices, favoring firms that demonstrate a commitment to sustainability and corporate responsibility. Global investment funds, particularly those focused on sustainable investing, are increasingly incorporating ESG criteria into their decision-making processes. Firms that prioritize ESG disclosures are therefore better positioned to attract investment from these funds, which can provide a significant boost to their financial performance.

For example, companies in the financial services sector that adopt strong governance practices are better positioned to attract investment from global funds. These firms often emphasize their commitment to transparency and accountability in their ESG reports, providing investors with the assurance that they are managing risks effectively and operating in compliance with international standards. This not only enhances the firm's reputation but also improves its financial standing, as investors are more likely to allocate capital to firms that prioritize good governance.

4.2 Improved Brand Reputation and Customer Loyalty

In addition to attracting investment, ESG disclosures can also enhance a firm's brand reputation and strengthen customer loyalty. Consumers are increasingly prioritizing sustainability in their purchasing decisions, favoring companies that demonstrate a commitment to environmental and social responsibility. Firms that excel in ESG reporting can capitalize on this trend by positioning themselves as leaders in sustainability, which can lead to increased customer loyalty and higher sales.

For instance, firms in the technology sector that adopt sustainable energy practices and emphasize diversity and inclusion are often seen as forward-thinking and socially responsible. These firms can differentiate themselves from competitors by highlighting their commitment to ESG practices in their marketing and branding efforts. As a result, they can build stronger relationships with customers, leading to increased sales and improved financial performance.

4.3 Sectoral Differences in Financial Benefits

While the financial benefits of ESG disclosures are clear in high-growth industries, firms in slower-growing sectors may not experience the same level of financial success. In these sectors, the immediate financial returns from ESG disclosures may be less apparent, as investors and consumers may prioritize short-term financial gains over long-term sustainability.

For example, in the manufacturing sector, where margins are often slim, the costs associated with ESG reporting may outweigh the immediate financial returns. Firms in this sector may be more focused on controlling costs and maximizing short-term profitability, making it difficult to justify the investment in comprehensive ESG disclosures. As a result, the financial benefits of ESG adoption in these sectors may be less significant, leading to slower adoption rates and more limited financial returns.

5. Policy Implications and Managerial Recommendations

Given the growing importance of ESG disclosures in shaping financial performance, it is critical for Indian firms to recognize the long-term value of sustainability reporting, particularly in high-growth industries. Firms that invest in comprehensive ESG practices are better positioned to attract investment, enhance their market reputation, and secure long-term profitability. However, the varying impact of ESG disclosures across different industries highlights the need for a tailored approach to sustainability reporting.

5.1 Recommendations for High-Growth Industries

For firms operating in high-growth sectors, the financial incentives for ESG disclosures are clear. These firms should prioritize transparency in their ESG reporting and actively engage with stakeholders to demonstrate their commitment to corporate responsibility. By doing so, they can secure a competitive advantage in an increasingly sustainability-driven market. Firms in these sectors should also consider investing in innovative sustainability initiatives, such as renewable energy projects or diversity and inclusion programs, which can further enhance their brand reputation and financial performance.

5.2 Recommendations for Slower-Growing Industries
For firms in slower-growing industries, the path to ESG integration may be more challenging, but it is no less important. While the immediate financial benefits may be less apparent, these firms should still invest in ESG practices to comply with regulatory requirements and respond to shifting consumer and investor expectations. Firms in these sectors should focus on developing cost-effective ESG strategies that align with their financial goals, such as improving resource efficiency or enhancing labor standards. By doing so, they can gradually build their ESG capabilities and position themselves for long-term success.

5.3 Policy Implications
Policymakers can play a crucial role in encouraging ESG adoption across all sectors by providing incentives for sustainability reporting and ensuring that firms have access to the resources they need to implement comprehensive ESG practices. For example, policymakers could offer tax incentives or grants to firms that invest in sustainable initiatives, helping to offset the costs associated with ESG adoption. Additionally, regulators should work to create a standardized framework for ESG reporting in India, ensuring that all firms, regardless of sector, are held to the same high standards of transparency and accountability.

6. Conclusion
The relationship between ESG disclosures and financial performance is complex, particularly in the context of India's diverse industrial landscape. While firms in high-growth industries tend to benefit more from comprehensive ESG reporting, those in slower-growing sectors face unique challenges in justifying the costs associated with sustainability initiatives. Industrial growth thus plays a critical role in moderating the financial impact of ESG disclosures, creating a varying landscape for Indian firms. As sustainability becomes increasingly central to business success, Indian firms must recognize the long-term value of ESG practices, and policymakers must continue to support the integration of ESG reporting across all sectors.

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