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## GLOBAL REPORTING INITIATIVE (GRI): STRENGTHENING SUSTAINABILITY REPORTING AND CORPORATE TRANSPARENCY IN INDIA

Raj Laxmi Barik<sup>1</sup> and A. K. Das Mohapatra<sup>2</sup>

<sup>1</sup>Research Scholar, Department of Business Administration, Sambalpur University, Jyoti Vihar

<sup>2</sup>Former Vice-Chancellor, Odisha State Open University, and Former Professor, Department of Business Administration, Sambalpur University, Jyoti Vihar

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### ABSTRACT

The Global Reporting Initiative (GRI) has emerged as one of the most widely recognized frameworks for sustainability reporting, offering globally accepted guidelines for measuring, disclosing, and enhancing organizational accountability in Environmental, Social, and Governance (ESG) domains. In the Indian context, sustainability reporting has gained significant momentum with the integration of GRI principles into corporate disclosures, especially in alignment with regulatory mechanisms such as the Business Responsibility and Sustainability Report (BRSR) mandated by the Securities and Exchange Board of India (SEBI). This paper examines the role of GRI in strengthening sustainability reporting and enhancing corporate transparency in India. The findings highlight that Indian firms are increasingly adopting GRI based frameworks to disclose their ESG information in annual reports and sustainability reports.

**KEYWORDS:** Global Reporting Initiative (GRI), Sustainability Reporting, Corporate Transparency, Environmental Disclosure, BRSR, India

### 1. INTRODUCTION

Over the past three decades, sustainability and environmental accountability have shifted from peripheral corporate concerns to central elements of governance, strategy, and stakeholder engagement (Adams, 2017; Gray, 2006). Climate change, environmental degradation, and social inequalities have compelled organizations to disclose their environmental impacts in a transparent and comparable manner. Environmental disclosure, broadly defined as the communication of an organization's environmental performance, impacts, and mitigation strategies to stakeholders, plays a critical role in reducing information asymmetry, enhancing legitimacy, and fostering sustainable development (Clarkson et al., 2008; Hahn & Kühnen, 2013).

The Global Reporting Initiative (GRI), founded in 1997 through a collaboration between the Coalition for Environmentally Responsible Economies (CERES) and the United Nations Environment Programme (UNEP), has evolved into the most widely recognized sustainability reporting framework globally (Brown et al., 2009). The GRI Standards, which replaced the earlier GRI Guidelines in 2016 and were revised in 2021, provide a structured, principles-based framework for reporting economic, environmental, and social impacts, thereby enabling comparability across companies and countries (GRI, 2021).

Globally, over 78% of the world's largest 250 companies use GRI Standards in their sustainability reports (KPMG, 2022). In India, GRI adoption has grown alongside regulatory developments such as the Securities and Exchange Board of India's (SEBI) Business Responsibility and Sustainability Report (BRSR) mandate for the top 1,000 listed companies from financial year 2022–23 (SEBI, 2021). While BRSR aligns with several GRI indicators, full-scale GRI adoption in India remains voluntary, resulting in variations in disclosure quality and coverage.

## **2. LITERATURE REVIEW**

The GRI was conceived as a response to the lack of standardized sustainability reporting frameworks in the 1990s (Brown et al., 2009). Its first guidelines (G1) were released in 2000, followed by G2 (2002), G3 (2006), and G4 (2013), before transitioning to the modular GRI Standards in 2016 (GRI, 2021). The modular structure comprising Universal, Topic-specific, and Sector Standards enables flexibility while maintaining comparability (Isenmann & Kim, 2006). Willis (2003) and Levy et al. (2010) view GRI as both a technical framework and an institutional mechanism for promoting corporate accountability.

Environmental disclosure frameworks like the GRI contribute to enhancing stakeholder trust and decision-making by improving information quality and accessibility (Clarkson et al., 2008; Michelon et al., 2015). Hahn and Kühnen (2013) emphasize that the GRI framework not only structures the disclosure process but also drives organizations toward integrating sustainability into their strategic planning. Singh & Kansal, 2011; Bhattacharyya & Rahman, 2019 have observed in their study that a gradual but steady increase in the adoption of GRI guidelines, particularly after the introduction of mandatory Business Responsibility Reports (BRRs) by the Securities and Exchange Board of India (SEBI) in 2012 and the subsequent shift to the Business Responsibility and Sustainability Reporting (BRSR) format.

Numerous studies have examined the effect of GRI adoption on environmental disclosure quality. Clarkson et al. (2008) find that firms adopting GRI tend to provide more comprehensive and quantitative disclosures. Morhardt et al. (2002) demonstrate that GRI indicators encourage reporting

beyond compliance, promoting proactive environmental management. Hahn and Kühnen (2013) emphasize that while GRI enhances breadth of reporting, depth often depends on managerial commitment and stakeholder pressure.

The legitimacy theory has been applied to explain corporate motivations for adopting GRI guidelines, O'Donovan, 2002; Suchman, 1995 suggesting that firms disclose environmental information to maintain social legitimacy and preempt regulatory intervention. From this perspective, GRI reporting serves as a strategic tool to manage stakeholder perceptions and reinforce the company's reputation (Cho et al., 2015). Stakeholder theory also underpins much of the literature, arguing that transparent environmental reporting helps address the informational needs of diverse groups, including investors, regulators, customers, and civil society (Freeman, 1984; Gray et al., 1995).

Criticism of GRI reporting has also been a recurring theme in academic discourse. Boiral (2013) argue that despite its comprehensive structure, GRI reporting may be susceptible to symbolic management, where firms selectively disclose favourable information while omitting negative impacts. In India, studies have found variations in the extent and depth of GRI-aligned disclosures, with some companies adopting the framework superficially to signal compliance rather than to genuinely improve environmental performance (Mukherjee & Chatterjee, 2020). Furthermore, Rahman et al. (2021) highlight that while GRI guidelines provide detailed metrics, the voluntary nature of their adoption in India limits uniformity and comparability across industries.

Despite these limitations, the adoption of GRI standards has been associated with several positive outcomes. Empirical evidence suggests that firms using GRI-based reporting frameworks tend to attract more socially responsible investors, achieve better stakeholder engagement, and improve operational efficiencies through systematic monitoring of environmental impacts (Ioannou & Serafeim, 2015; Khan et al., 2020). In the Indian scenario, multinational corporations and large listed firms have demonstrated leadership in sustainability reporting, with GRI playing a central role in shaping disclosure practices (Gupta & Sinha, 2021).

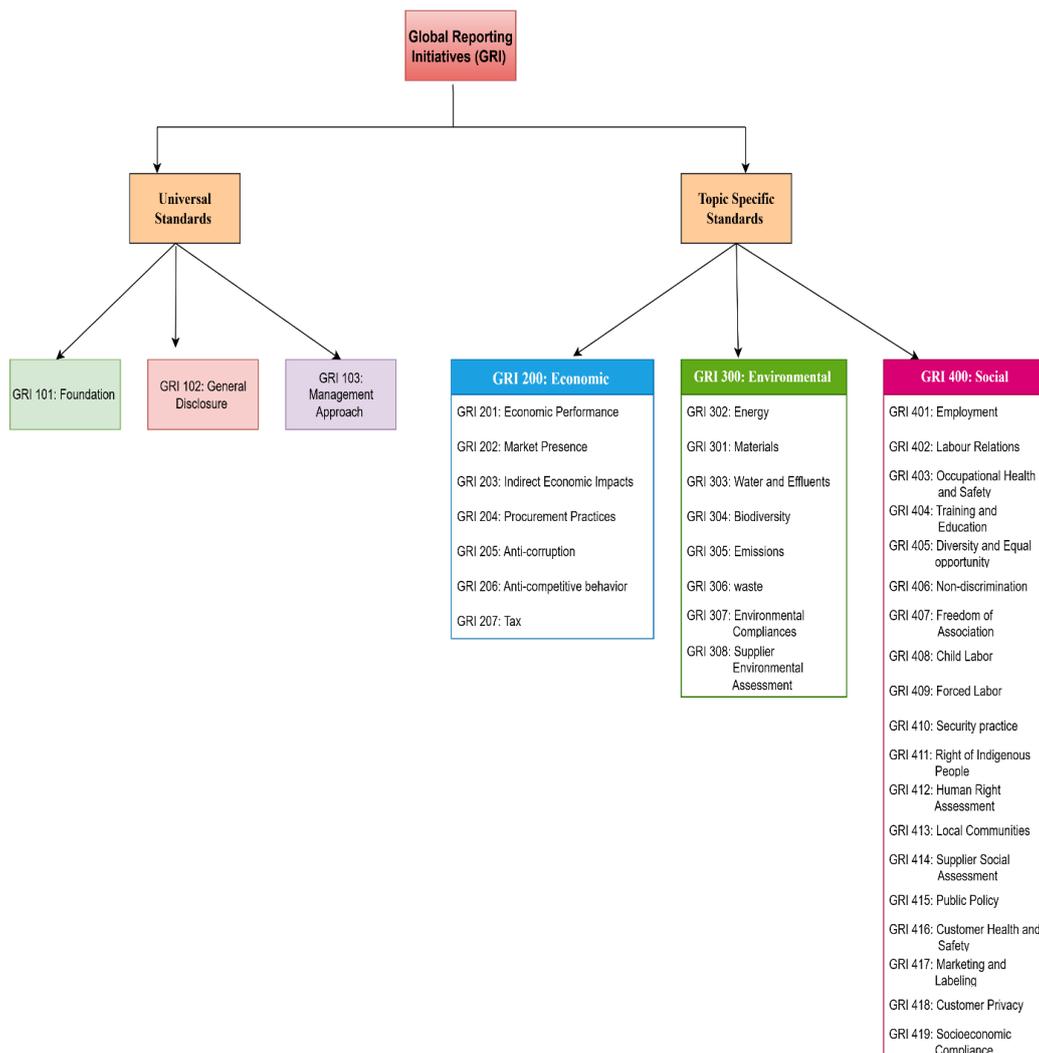
Overall, the literature underscores that while GRI serves as a powerful mechanism for enhancing environmental disclosure quality, its effectiveness in India depends on overcoming institutional and organizational barriers. The integration of GRI into mandatory reporting frameworks, coupled with capacity building and third-party assurance, is likely to enhance the credibility, comparability, and decision-usefulness of environmental reports. The convergence of global best practices with domestic regulatory reforms presents an opportunity for Indian companies to leverage GRI not only as a compliance tool but also as a strategic asset for sustainable growth.

### 3. OVERVIEW OF THE GRI FRAMEWORK

The GRI Standards are modular and comprehensive, covering three main categories economic, environmental, and social each with specific indicators and disclosure requirements as presented in Figure 1.1. The environmental standards address issues such as resource use, emissions, biodiversity, waste management, and climate change mitigation outlined in Table 1.1.

By adopting the GRI framework, organizations enhance accountability, comparability, and stakeholder trust, while aligning their sustainability disclosures with global best practices and regulatory requirements. Many companies worldwide, including in India, use GRI to demonstrate their commitment to responsible business conduct and to meet investor and stakeholder expectations.

Figure 1.1: Categorization of GRI indicators



The core of environmental reporting under GRI:

**Table 1.1: Environmental Topic Standards (GRI 300 Series)**

<b>GRI Code</b>	<b>Title</b>	<b>Key Disclosure</b>	<b>Description</b>
GRI 301	Materials	301-1	Materials used by weight/volume
		301-2	Recycled input materials used
		301-3	Reclaimed products and packaging materials
GRI 302	Energy	302-1	Energy consumption within organization
		302-2	Energy consumption outside organization
		302-3	Energy intensity; 302-4: Reduction of energy consumption
		302-4	Reduction of energy consumption
		302-5	Reductions in energy requirements of products/services
GRI 303	Water and Effluents	303-1	Interactions with water as a shared resource
		303-1	Management of water discharge-related impacts
		303-1	Water withdrawal
		303-1	Water discharge
		303-1	Water consumption
GRI 304	Biodiversity	304-1	Operational sites in/near biodiversity-rich areas
		304-2	Significant impacts on biodiversity
		304-3	Habitats protected/restored
		304-4	IUCN Red List species and national conservation list species affected
GRI 305	Emissions	305-1	Direct (Scope 1) GHG emissions
		305-2	Indirect (Scope 2) GHG emissions
		305-3	Other indirect (Scope 3) GHG emissions
		305-4	GHG emissions intensity
		305-5	Reduction of GHG emissions
		305-6	Emissions of ozone-depleting substances (ODS)
		305-7	NO <sub>x</sub> , SO <sub>x</sub> , and other significant air emissions

GRI 306	Waste	306-1	Waste generation and significant waste-related impacts
		306-2	Management of significant waste-related impacts
		306-3	Waste generated
		306-4	Waste diverted from disposal
		306-5	Waste directed to disposal
GRI 307	Environmental Compliance	307-1	Non-compliance with environmental laws and regulations (fines, sanctions, legal cases).
GRI 308	Supplier Environmental Assessment	308-1	New suppliers screened using environmental criteria
		308-2	Negative environmental impacts in supply chain and actions taken.

#### **4. BENEFITS OF GRI-BASED ENVIRONMENTAL REPORTING**

- a. **Transparency and Accountability:** Enhances credibility by providing standardized, comparable data (Clarkson et al., 2008).
- b. **Stakeholder Engagement:** Facilitates dialogue with investors, customers, regulators, and communities (Freeman, 1984; Michelon et al., 2015).
- c. **Reputational Advantages:** Differentiates companies in competitive markets, especially for export-oriented firms (Kolk, 2010).
- d. **Internal Performance Management:** Encourages measurable targets, energy efficiency, and resource optimization (Lozano & Huisinigh, 2011).
- e. **Regulatory Alignment:** Prepares companies for compliance with emerging national and international regulations (SEBI, 2021).

#### **5. CONCLUSION**

The Global Reporting Initiative has played a transformative role in advancing sustainability reporting and corporate transparency worldwide. In India, its integration with the BRSR framework and voluntary corporate adoption has strengthened ESG disclosures, investor confidence, and stakeholder engagement. However, challenges remain in terms of standardization, assurance, and widespread adoption. Strengthening regulatory frameworks, enhancing corporate awareness, and building assurance mechanisms will be critical to fully realizing the potential of GRI in the Indian context.

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