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Drivers of Asset Statement Reporting in Indian Project Finance: A Financial Perspective

Sreedevi L[1], Dr. Nidhi Paridar[2]
[1]*Research Scholar, Mansarovar Global University, Sehore (Madhya Pradesh)*
[2]*Assistant Professor, Mansarovar Global University, Sehore (Madhya Pradesh)*

Abstract: Project finance has become a core funding mechanism for India's infrastructure and other capital-intensive sectors, where lending decisions depend primarily on project cash flows and the balance-sheet strength of special purpose vehicles (SPVs). In this context, asset statement reporting (the asset side of the Statement of Financial Position) is a critical information signal for lenders, rating agencies, and regulators because it reflects project progress, capitalization discipline, and emerging risk. This article examines the key drivers of asset statement reporting in Indian project finance from a financial perspective.
Keywords: Project finance, Asset statement reporting, Infrastructure.

I. INTRODUCTION

Project finance has emerged as a dominant financing structure for infrastructure and capital-intensive projects in India, particularly in sectors such as power, roads, ports, and renewable energy. Under this model, projects are typically executed through special purpose vehicles (SPVs) with limited recourse or non-recourse debt, where lenders primarily rely on project cash flows rather than sponsor balance sheets for repayment (Gatti, 2018). In such a structure, financial reporting especially asset statement reporting plays a central role in shaping lender confidence, covenant compliance assessment, and refinancing prospects. The asset statement (i.e., the asset side of the balance sheet) in project-financed entities is not merely an accounting summary; it is a critical signal of project progress, capitalization discipline, and financial risk. Large components such as property, plant and equipment (PPE), capital work-in-progress (CWIP), capital advances, intangible assets (e.g., concession rights), and right-of-use (ROU) assets reflect both operational realities and managerial accounting choices. In project finance, where debt levels are high and repayment schedules are sculpted to projected cash flows, the timing and measurement of asset recognition can materially influence financial ratios, debt covenants, and perceived project viability (Yescombe, 2014).

Accounting standards applicable in India, particularly Indian Accounting Standards (Ind AS), significantly shape asset statement reporting. For example, Ind AS 16 governs the recognition and measurement of PPE, including capitalization and depreciation policies (Institute of Chartered Accountants of India [ICAI], 2023a). Ind AS 23 prescribes the capitalization of borrowing costs directly attributable to the acquisition or construction of qualifying assets (ICAI, 2023b), while Ind AS 36 addresses impairment of assets (ICAI, 2023c). In project-financed SPVs, managerial discretion in applying these standards such as determining capitalization thresholds, useful lives, or impairment triggers can affect reported asset values and, consequently, financial performance indicators. Beyond accounting standards, financial structure characteristics are key determinants of asset statement reporting. High leverage, stringent debt service coverage ratio (DSCR) covenants, reserve requirements, and lender monitoring mechanisms may incentivize more conservative or, in some cases, strategically timed recognition practices. Agency theory suggests that where information asymmetry exists between sponsors and lenders, accounting choices may function as signals of performance or tools for managing contractual constraints (Jensen & Meckling, 1976). In project finance, this dynamic is amplified because debt providers bear substantial risk during construction and early operational phases.

The Indian infrastructure context further intensifies these reporting dynamics. Projects often face delays, cost overruns, regulatory approvals, land acquisition challenges, and counterparty risks, all of which influence CWIP balances, capitalization timing, and impairment considerations. Empirical evidence in infrastructure finance highlights that construction risk and revenue uncertainty are central to project distress (Esty, 2004), reinforcing the importance of transparent and high-quality asset reporting. Despite the importance of asset statement reporting in project-financed entities, limited research has systematically examined the financial and structural drivers shaping such reporting in the Indian context. Existing literature has largely focused on capital structure, risk allocation, and contractual design in project finance (Gatti, 2018; Yescombe, 2014), with comparatively less attention to how financial structure interacts with accounting signals in determining reported asset positions.

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This article addresses this gap by examining the drivers of asset statement reporting in Indian project finance from a financial perspective. Specifically, it explores how financial structure variables (e.g., leverage, covenant tightness, debt tenor), project fundamentals (e.g., construction phase, sectoral characteristics), and governance mechanisms influence asset recognition, capitalization patterns, and impairment practices. By integrating insights from accounting standards, agency theory, and project finance literature, the study aims to provide a structured framework for understanding asset reporting behavior in project-financed SPVs.

II. INDIAN PROJECT FINANCE OVERVIEW

Indian project finance in India is typically used for capital-intensive infrastructure and core industrial projects such as roads, renewable energy, conventional power, transmission, ports, and urban infrastructure where lenders underwrite repayment primarily from project cash flows rather than from the sponsor's balance sheet. Transactions are usually housed in a special purpose vehicle (SPV) that ring-fences contracts, cash flows, and security, so the credit assessment focuses on construction progress, revenue certainty (e.g., concession or offtake strength), operating performance, and the robustness of the cash-flow waterfall for debt service. Consistent with this cash-flow-first logic, Indian rating methodologies for project/infrastructure assets place significant emphasis on debt service protection metrics such as DSCR/PLCR and the presence of liquidity buffers like a debt service reserve account (DSRA) and escrow/TRA-type structures that support payment discipline.

A defining feature of Indian project finance is the tight linkage between construction risk and prudential monitoring, because delays and cost overruns can push out the date of commencement of commercial operations (DCCO) while interest during construction continues to accrue. Reflecting the systemic importance of project lending, the Reserve Bank of India issued the Reserve Bank of India (Project Finance) Directions, 2025 (dated June 19, 2025), aiming to harmonise regulatory treatment of project finance exposures and strengthen guardrails around project implementation monitoring, including treatment tied to DCCO and project phase dynamics; the Directions are slated to come into force from October 1, 2025. Within this ecosystem, the financial reporting of project SPVs especially asset statement reporting matters because the balance-sheet build (CWIP to capitalised PPE/intangibles/ROU assets) is closely tied to milestone achievement, interest capitalisation, and commissioning. Lenders and analysts often interpret asset composition and its movement over time as a proxy for implementation discipline and emerging stress: persistently elevated CWIP, large capital advances, or sudden changes in capitalisation patterns can raise questions about execution slippage, claim/variation-order uncertainty, and future impairment risk. This is why project finance analysis in India blends contractual/cash-flow assessment with scrutiny of accounting signals embedded in the asset statement.

III. WHAT IS ASSET STATEMENT REPORTING?

Asset statement reporting is the process by which an entity identifies, measures, classifies, presents, and explains (through disclosures) the assets shown in its Statement of Financial Position (balance sheet). It is not limited to "listing assets"; it includes the reporting decisions that determine what qualifies as an asset, when it is recognised, how it is valued (cost/revaluation, impairment adjustments, etc.), and how it is presented (for example, current vs. non-current classification, minimum line items, and aggregation vs. disaggregation). These presentation and disclosure requirements are anchored in Ind AS 1 (Presentation of Financial Statements), which sets the overall framework for how assets are presented and what information must be disclosed to make the balance sheet understandable and decision-useful (Institute of Chartered Accountants of India [ICAI], n.d.).

In project and asset-heavy businesses, asset statement reporting is heavily shaped by standards governing asset measurement and subsequent accounting. Ind AS 16 (Property, Plant and Equipment) drives how tangible assets are initially recorded (typically at cost) and later expensed through depreciation, while requiring disclosures that help users understand additions, disposals, depreciation, and carrying values (ICAI, n.d.). Where an asset takes substantial time to get ready for use common in infrastructure Ind AS 23 (Borrowing Costs) becomes a major driver because it specifies when borrowing costs are capitalised as part of the asset's cost versus expensed in profit or loss (ICAI, 2025). Asset statement reporting also includes recognition of value reductions when recoverability weakens: Ind AS 36 (Impairment of Assets) requires entities to evaluate whether an asset's carrying amount exceeds its recoverable amount and to recognise impairment losses where applicable (Department of Public Enterprises, 2022). Together, these requirements determine the quality, comparability, and credibility of the "asset side" of financial statements especially for stakeholders (like lenders and investors) who interpret asset movements and disclosures as signals of execution progress, accounting discipline, and underlying risk.

IV. DRIVERS OF ASSET STATEMENT REPORTING IN INDIAN PROJECT FINANCE

Asset statement reporting in Indian project finance is shaped by the interaction of financial structure, accounting standards, project characteristics, governance mechanisms, and regulatory oversight. Because project-financed special purpose vehicles (SPVs) are typically highly leveraged and cash-flow dependent, the asset side of the balance sheet particularly capital work-in-progress (CWIP), property, plant and equipment (PPE), capitalized borrowing costs, and impairment provisions becomes a key signal for lenders and other stakeholders. The following drivers are especially significant.

1) Financial Structure and Leverage: Project finance structures in India are characterized by high debt-to-equity ratios and covenant-driven monitoring frameworks. Since repayment depends on projected cash flows rather than sponsor guarantees, lenders closely track asset capitalization and commissioning milestones (Gatti, 2018; Yescombe, 2014). Higher leverage and tighter debt service coverage ratio (DSCR) covenants may influence capitalization timing, depreciation policies, and impairment recognition. For instance, capitalization of borrowing costs under Ind AS 23 increases the carrying value of assets and postpones expense recognition, which may temporarily support coverage ratios (Institute of Chartered Accountants of India [ICAI], 2025). Thus, leverage intensity and covenant design act as structural drivers of asset reporting behavior.

2) Project Lifecycle (Construction vs. Operations): Asset reporting is strongly dependent on the project phase. During the construction stage, balances are dominated by CWIP and capital advances. Upon achieving commercial operations, these amounts are transferred to PPE and depreciation begins under Ind AS 16 (ICAI, n.d.). Delays in the date of commencement of commercial operations (DCCO), cost overruns, or scope changes can extend CWIP balances and affect the capitalized cost base. Since interest during construction may continue to be capitalized until the asset is ready for intended use (Ind AS 23), prolonged construction directly impacts asset values and related disclosures (ICAI, 2025). Therefore, construction risk is a primary driver of asset statement composition.

3) Accounting Policy Choices and Managerial Judgment: Ind AS provides principles but requires managerial judgment in areas such as:

- Determining when an asset is “ready for use”
- Estimating useful lives and residual values
- Selecting depreciation methods
- Assessing impairment triggers

Under Ind AS 36, impairment recognition depends on recoverability assessments that involve discounted cash flow projections and assumptions about tariffs, demand, and operating costs (Department of Public Enterprises, 2022). In project finance, where forecasts underpin credit decisions, these assumptions materially influence reported asset values. Hence, accounting discretion within regulatory limits becomes a significant driver of asset statement outcomes.

4) Borrowing Cost Capitalization: Borrowing costs directly attributable to qualifying assets must be capitalized under Ind AS 23 (ICAI, 2025). In infrastructure projects with long gestation periods, interest capitalization can represent a substantial portion of total project cost. The timing of commencement and suspension of capitalization (for example, during abnormal delays) materially affects the asset base. Consequently, financing costs, project delays, and interest rate levels are direct financial drivers of asset statement reporting.

5) Sector-Specific Characteristics

Different infrastructure sectors exhibit different reporting patterns:

- *Road projects* may have concession-based intangible assets.
- *Renewable energy projects* typically show stable PPE once operational.
- *Thermal power projects* may face impairment sensitivity due to fuel or offtaker risk.

Sectoral risk allocation, regulatory frameworks, and revenue models influence capitalization, useful life assumptions, and impairment assessments. Empirical evidence suggests that project risk allocation and contractual design significantly shape financial reporting patterns in project-financed entities (Esty, 2004).

6) Governance, Audit, and Lender Monitoring: Strong governance and audit oversight enhance reporting discipline. Auditor scrutiny, rating agency monitoring, and lender-appointed engineers increase transparency in cost certification and capitalization practices. Agency theory suggests that where information asymmetry exists between sponsors and lenders, reporting quality becomes a signaling mechanism (Jensen & Meckling, 1976). Therefore, board oversight, auditor quality, and lender monitoring intensity serve as institutional drivers of asset reporting credibility and conservatism.

7) Regulatory and Prudential Framework: The prudential environment in India also shapes reporting incentives. The Reserve Bank of India (Project Finance) Directions, 2025) emphasize harmonized treatment of project finance exposures and closer monitoring of implementation milestones, including DCCO-related changes (Reserve Bank of India, 2025). Since asset capitalization and commissioning dates directly affect regulatory classification and provisioning, regulatory oversight becomes an indirect but important driver of asset reporting behavior.

Asset statement reporting in Indian project finance is not merely an outcome of accounting mechanics; it reflects a complex interaction of financial structure, construction dynamics, sectoral risk, managerial judgment, governance quality, and regulatory discipline. Because project SPVs operate under high leverage and close monitoring, asset reporting serves both as a representation of economic reality and as a signal to lenders and stakeholders regarding execution quality and financial stability.

V. CONCLUSION

Asset statement reporting in Indian project finance represents far more than compliance with accounting standards; it is a financial signal embedded within a highly leveraged and contract-driven environment. In project-financed SPVs, where lenders rely primarily on future cash flows rather than sponsor balance sheets, the asset side of the Statement of Financial Position becomes a critical indicator of execution discipline, capitalization integrity, and emerging risk. Movements in capital work-in-progress, capitalization of borrowing costs, transition to operational assets, and impairment recognition directly influence financial ratios, covenant compliance, and refinancing prospects. This study highlights that asset reporting outcomes are shaped by an interdependent set of drivers. Financial structure particularly leverage intensity and covenant design exerts measurable influence on capitalization timing and impairment sensitivity. The project lifecycle significantly alters asset composition, with construction-stage reporting dominated by CWIP and borrowing cost capitalization under Ind AS 23, while operational-stage reporting shifts toward depreciation and impairment considerations under Ind AS 16 and Ind AS 36. Managerial judgment, though guided by standards, plays a decisive role in determining useful lives, capitalization thresholds, and recoverability assumptions. Sectoral characteristics, governance quality, lender monitoring, and evolving prudential frameworks further reinforce the strategic and signaling dimension of asset reporting.

In the Indian infrastructure context marked by implementation risk, regulatory complexity, and capital intensity asset statement reporting functions as both a reflection of economic substance and a communication mechanism between sponsors, lenders, auditors, and regulators. The asset base of a project SPV is therefore not merely an accumulation of capitalized costs; it is a structured representation of project progress, financial discipline, and risk allocation. Going forward, stronger governance practices, enhanced disclosure quality, and closer alignment between accounting judgments and underlying cash-flow realities will be essential to sustain lender confidence and market stability. Future empirical research may deepen this framework by examining sector-wise variations, covenant sensitivity analysis, and the relationship between asset reporting patterns and project distress outcomes. In sum, asset statement reporting in Indian project finance operates at the intersection of accounting, finance, and regulatory oversight making it a central pillar of financial transparency and credit assessment in infrastructure development.

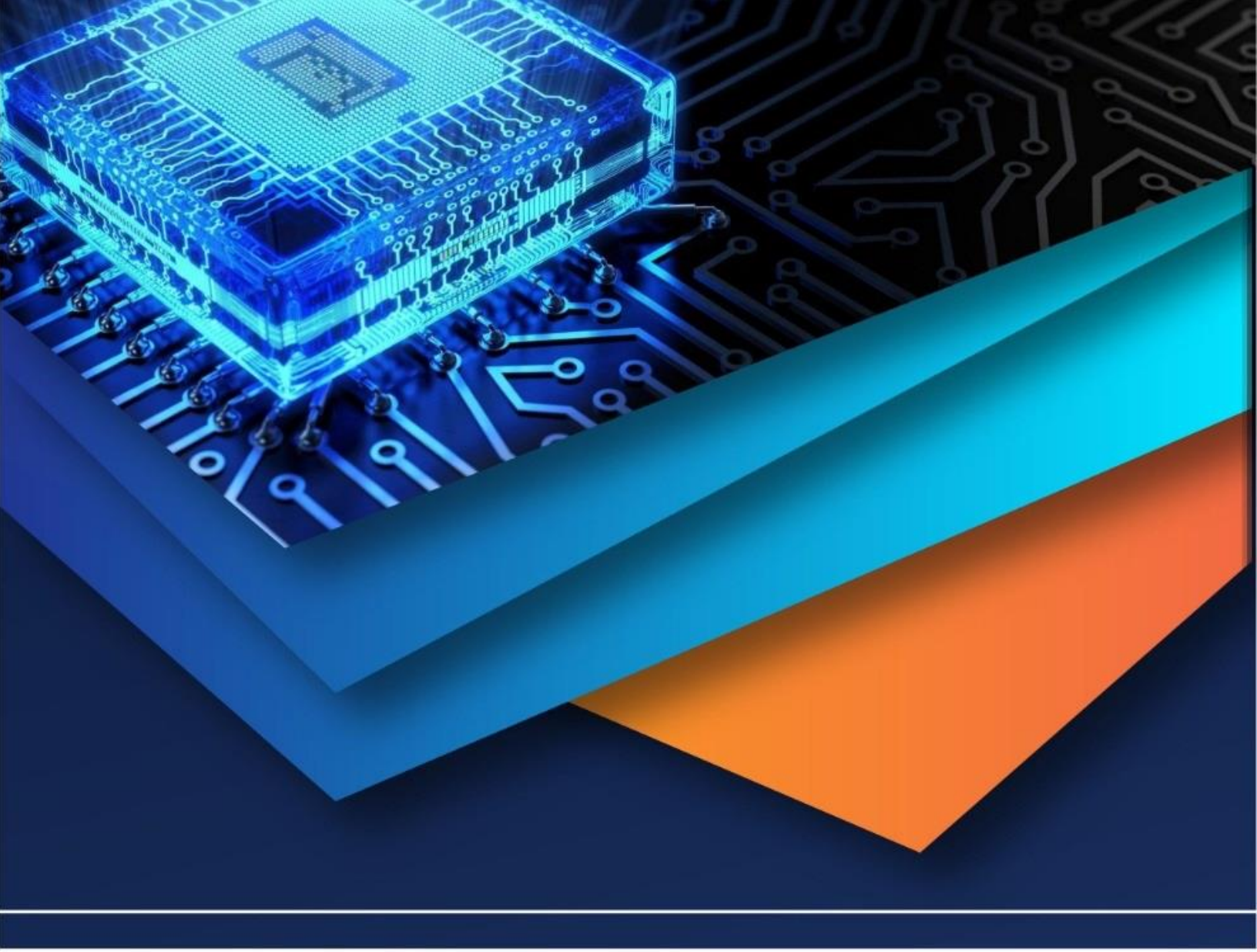
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