EPRA International Journal of Environmental Economics, Commerce and Educational Management
Journal DOI: 10.36713/epra0414 |ISI I.F Value: 0.815|SJIF Impact Factor (2025): 8.57 ISSN: 2348 – 814X
Volume: 12 | Issue:7 |July 2025

COST OF CAPITAL AND RISK ASSESSMENT IN INDIAN MSMEs

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ABSTRACT

Micro, Small, and Medium Enterprises (MSMEs) play a vital role in India's economic development, contributing significantly to GDP, employment, and exports. However, they face persistent challenges in securing low-cost financing and managing financial risks effectively. This study explores the factors affecting the cost of capital in Indian MSMEs and evaluates their risk assessment practices. Using both primary and secondary data, the research applies financial models such as the Weighted Average Cost of Capital (WACC) and risk analysis tools to assess how capital structure, firm size, credit history, and government schemes influence financing costs. The findings indicate that smaller firms with limited access to formal credit and inadequate financial documentation bear higher capital costs and greater exposure to risk. The study highlights the need for strategic interventions – such as improved financial literacy, simplified credit processes, and digital financial integration – to enhance capital efficiency and reduce risk. The findings reveal that micro and small enterprises often incur higher financing costs due to their dependence on informal funding, limited credit history, and lack of structured financial practices. Furthermore, risk management among MSMEs is primarily informal, with limited use of analytical tools or insurance mechanisms. The study underscores the need for policy reforms, digital integration, and targeted financial literacy initiatives to improve access to affordable finance and enhance risk resilience across the MSME sector. These insights provide actionable strategies for policymakers, lenders, and MSME stakeholders to promote long-term financial sustainability and inclusive economic growth.

KEYWORDS - *MSMEs, Cost of Capital, Capital Structure, Risk Assessment, Financial Planning, Indian Enterprises, Equity, Financing, Digital Finance, Financial Literacy;*

INTRODUCTION

India's MSME sector consists of over 63 million enterprises, accounting for nearly 30% of GDP and generating employment for over 110 million individuals. Despite their critical contribution, MSMEs are hindered by high financing costs and weak risk management mechanisms. This paper focuses on understanding the cost structure of capital in MSMEs and assessing their capacity to identify and manage business risks.

Despite its critical role in driving economic development, innovation, and inclusive growth, the MSME sector continues to face substantial challenges in accessing formal finance at an affordable cost and managing financial and business risks effectively.

One of the most pressing concerns for MSMEs is the **high cost of capital**, which arises from several structural and operational factors, including poor creditworthiness, lack of collateral, inadequate financial documentation, and limited awareness or utilization of institutional financing schemes. Many MSMEs rely on high-interest informal sources such as moneylenders or trade credit, which exacerbates financial strain and restricts growth opportunities. In contrast, enterprises with access to diversified capital sources and structured financial planning often enjoy more favorable borrowing terms and enhanced sustainability.

In addition to financing constraints, risk assessment and management remain underdeveloped in most MSMEs. With limited access to insurance products, credit ratings, and analytical tools, many MSMEs adopt informal and ad-hoc approaches to managing risks such as market volatility, credit defaults, supply chain disruptions, and regulatory compliance. These inadequacies can lead to financial instability and reduce the capacity of MSMEs to scale or withstand external shocks.

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Given the critical importance of finance and risk management for MSME sustainability, this study seeks to explore two interconnected dimensions: (1) the determinants and structure of the cost of capital in Indian MSMEs, and (2) the nature and effectiveness of their risk assessment practices. The research aims to provide empirical insights and strategic recommendations that can support MSMEs in optimizing capital decisions and enhancing their risk resilience in a dynamic economic environment.

OBJECTIVES

1. To examine the sources and structure of capital in Indian MSMEs.
2. To identify the key determinants influencing the cost of capital.
3. To evaluate risk assessment and management practices in MSMEs.
4. To recommend strategies for reducing capital cost and improving financial resilience.

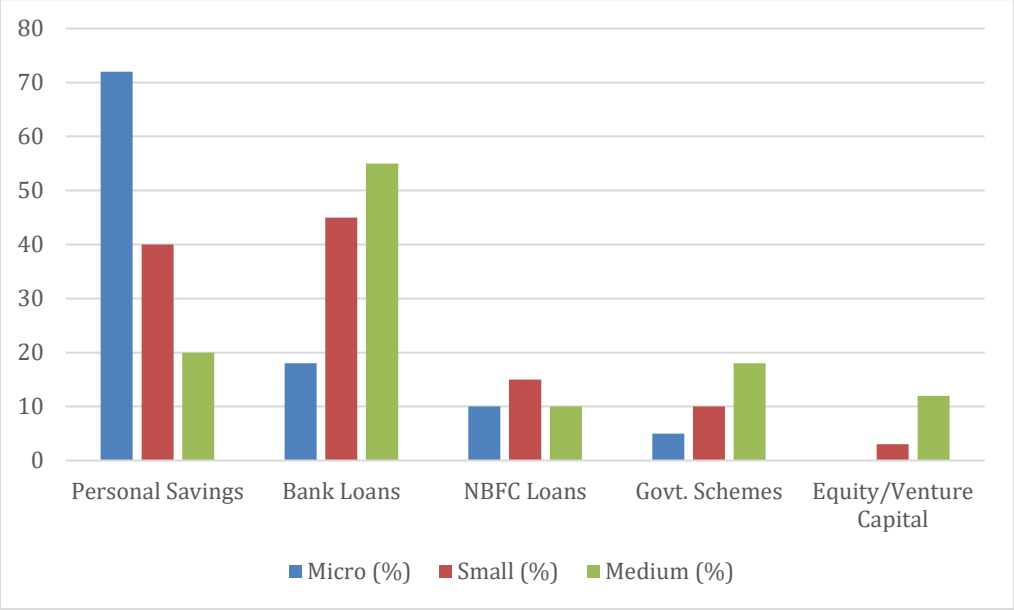
METHODOLOGY

1. **Research Type:** Descriptive and analytical.
2. **Sample Size:** 150 MSMEs from five Indian states (Maharashtra, MP, Tamil Nadu, Gujarat, UP).
3. **Data Collection:** Primary data through structured surveys; secondary data from RBI, SIDBI, Ministry of MSME.
4. **Tools Used:** WACC formula, CAPM, risk scoring models, correlation analysis

Cost of Capital in MSMEs

Source	Micro (%)	Small (%)	Medium (%)
Personal Savings	72	40	20
Bank Loans	18	45	55
NBFC Loans	10	15	10
Govt. Schemes	5	10	18
Equity/Venture Capital	0	3	12

Sources of Capital

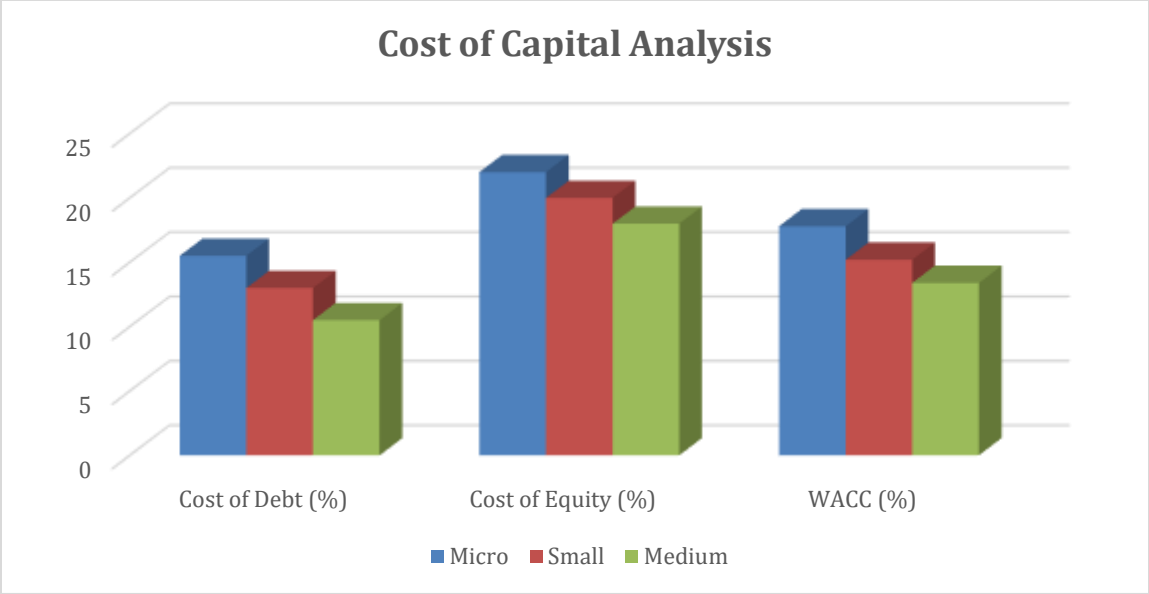


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Cost of Capital Analysis

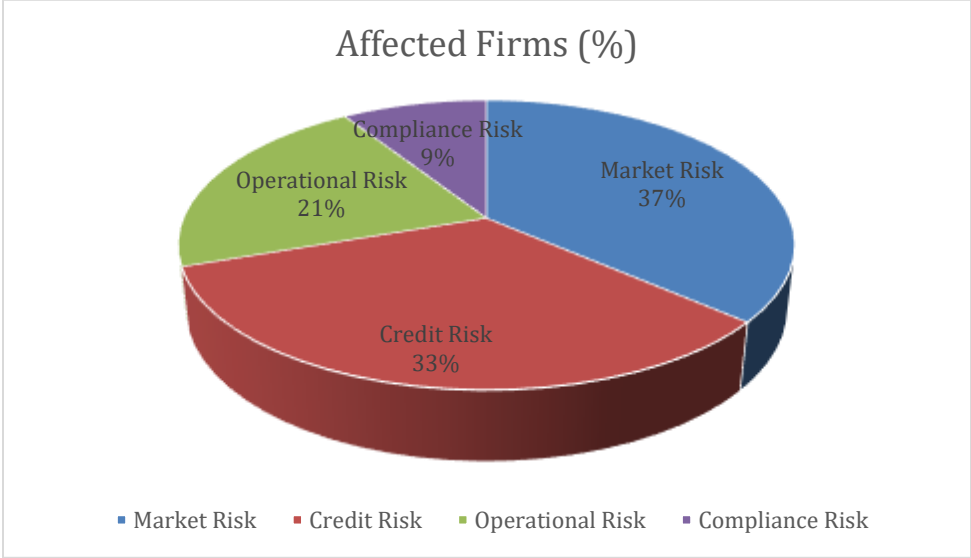
WACC is calculated using

MSME Type	Cost of Debt (%)	Cost of Equity (%)	WACC (%)
Micro	15.5	22.0	17.8
Small	13.0	20.0	15.2
Medium	10.5	18.0	13.4



Risk Assessment in MSMEs:
Risk Types Identified

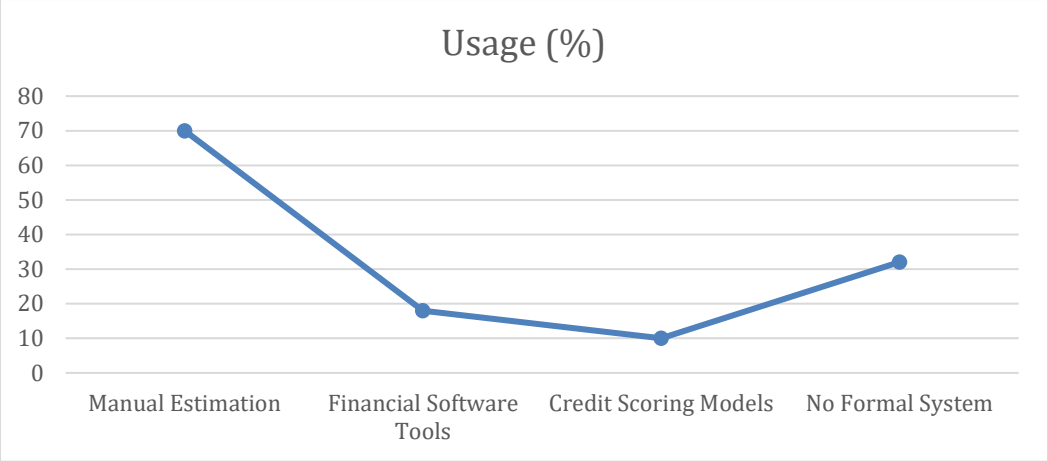
Risk Type	Affected Firms (%)
Market Risk	60
Credit Risk	55
Operational Risk	35
Compliance Risk	15



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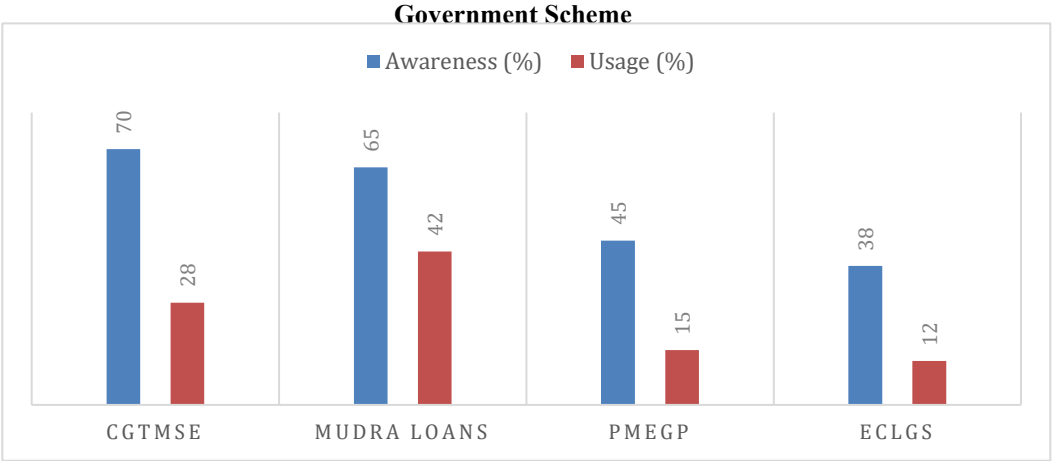
Risk Assessment Practices

Practice Used	Usage (%)
Manual Estimation	70
Financial Software Tools	18
Credit Scoring Models	10
No Formal System	32



Government Scheme Utilization

Scheme	Awareness (%)	Usage (%)
CGTMSE	70	28
MUDRA Loans	65	42
PMEGP	45	15
ECLGS	38	12



Key Findings

- Cost of capital decreases with enterprise size.
- Financial literacy strongly correlates with lower capital cost (r = -0.61).
- Government schemes are underutilized due to procedural complexity.
- Lack of formal risk assessment increases vulnerability.

Recommendations

- Enhance MSME access to credit ratings and digital tools.
- Promote adoption of financial software and risk analytics.

- Simplify government schemes for broader access.
- Establish MSME-focused financial literacy programs.

CONCLUSION

The study critically examined the sources and structure of capital in Indian MSMEs and found that most enterprises rely heavily on self-financing and bank loans, with limited access to equity or alternative sources of finance. This dependence often restricts their scalability and exposes them to higher financing costs.Key determinants affecting the cost of capital include firm size, credit rating, industry type, and interest rate volatility. Smaller MSMEs generally face higher capital costs due to lack of collateral, lower creditworthiness, and limited financial awareness.

Risk assessment practices in MSMEs are found to be informal and reactive, with limited adoption of structured risk management frameworks. This increases vulnerability to market fluctuations, policy changes, and operational risks.The research concludes that strategic financial planning, diversification of funding sources, and the integration of formal risk management mechanisms are essential for enhancing the financial resilience of Indian MSMEs.

SUGGESTIONS

1. **Diversify Capital Sources**: Encourage MSMEs to explore venture capital, crowdfunding, and government credit schemes to reduce overdependence on bank loans.
2. **Financial Literacy Training**: Conduct targeted workshops to improve MSME owners' understanding of cost of capital, funding options, and risk management.
3. **Credit Rating Facilitation**: Introduce simplified and subsidized credit rating mechanisms for MSMEs to improve their funding access and negotiate better rates.
4. **Formalize Risk Management**: Promote the adoption of structured risk assessment models (e.g., SWOT, sensitivity analysis) for proactive decision-making.
5. **Policy Support**: Government and financial institutions should design MSME-friendly capital access policies, including collateral-free loans and interest subvention schemes.
6. **Technology Integration**: Encourage use of digital accounting and forecasting tools to better monitor financial health and assess capital needs.

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