Working Capital Efficiency and Profitability Analysis of Small Scale Industries in Jammu & Kashmir

Mr. Rahil Gujral[1], Dr. Jatin Yadav[2]

[1]PhD Scholar, Department of Commerce, Bhagwant University, Ajmer (Rajasthan)
[2]Assistant Professor, Department of Commerce, Bhagwant University, Ajmer (Rajasthan)

Abstract

Working capital efficiency is a crucial determinant of profitability and financial sustainability in small-scale industries. The present study analyzes working capital efficiency and its impact on profitability of small-scale industries in Jammu & Kashmir. Primary data were collected from industrial owners and managers through structured questionnaires, while secondary data were obtained from financial statements and industrial reports. Statistical tools such as percentage analysis, correlation, regression, ANOVA, and financial ratio analysis were used for data interpretation. The findings reveal that efficient cash management, inventory turnover, and receivables management significantly improve profitability and operational performance of industrial units. The study further identifies major financial challenges such as delayed receivables, liquidity shortages, rising operational costs, and limited access to institutional finance. Statistical analysis confirmed a strong positive relationship between working capital efficiency and profitability indicators. The study emphasizes the importance of scientific financial planning and efficient working capital utilization for improving industrial growth and financial sustainability.

Keywords: Working Capital Efficiency, Profitability Analysis, Small Scale Industries, MSMEs, Liquidity Management, Financial Performance, Inventory Turnover, Cash Management

1. Introduction

Small Scale Industries (SSIs), presently classified under the Micro, Small, and Medium Enterprises (MSME) sector, play a crucial role in the economic development of India. These industries contribute significantly to employment generation, industrial production, export promotion, entrepreneurship development, and balanced regional growth. In developing economies like India, the MSME sector is considered the backbone of industrial progress because it provides large-scale employment opportunities with comparatively low capital investment. Particularly in regions such as Jammu & Kashmir, small-scale industries have emerged as an important source of income generation, rural industrialization, and socio-economic development. Despite their economic importance, many small-scale industries face financial and operational challenges that affect their productivity, profitability, and sustainability. Among these challenges, efficient working capital management remains one of the most critical determinants of industrial success and financial performance (Panda et al., 2021).[1]

Working capital refers to the funds required for carrying out the day-to-day operations of a business enterprise. It includes current assets such as cash, inventories, and receivables, as well as current liabilities that must be managed efficiently to maintain smooth operational activities. Working capital efficiency reflects the ability of a firm to utilize its short-term assets and liabilities effectively for maximizing profitability and

[1] Panda, A. K., Nanda, S., & Panda, P. (2021). Working capital management, macroeconomic impacts, and firm profitability: Evidence from Indian SMEs. Business Perspectives and Research, 9(1), 144–158. https://doi.org/10.1177/2278533720933492

operational performance. Inefficient working capital management may result in liquidity shortages, production interruptions, delayed payments, increased borrowing costs, and declining profitability. Therefore, efficient management of working capital is essential for ensuring liquidity, financial stability, and business continuity, especially in small-scale industries that generally operate under limited financial resources and market uncertainties (Soda et al., 2022).[2]

In the context of Jammu & Kashmir, small-scale industries occupy an important position in regional industrial development. The industrial sector of the region includes handicrafts, food processing units, textile manufacturing, agro-based enterprises, wood products, metal works, and various service-oriented businesses. These industries not only contribute to regional economic growth but also provide employment opportunities to local populations. However, industrial enterprises in Jammu & Kashmir face unique challenges such as infrastructural limitations, transportation difficulties, political uncertainties, seasonal demand fluctuations, and restricted market access. Such conditions increase the importance of effective working capital management for sustaining industrial operations and improving financial performance (Joshi & Mahajan, 2024). Cash management is considered one of the most important components of working capital efficiency because adequate cash availability ensures uninterrupted operational activities. Small-scale industries require sufficient liquidity to purchase raw materials, pay wages, manage production costs, and meet short-term financial obligations. Poor cash management practices often result in liquidity crises and financial instability. Research studies have shown that efficient cash conversion cycles and liquidity planning significantly improve financial performance of MSMEs (Verma & Gupta, 2024). Efficient cash management enables industries to minimize dependence on external borrowings and maintain financial flexibility during uncertain business conditions.[3]

Inventory management also plays a vital role in determining working capital efficiency. Inventories constitute a major portion of current assets in manufacturing industries, and improper inventory control can lead to excessive storage costs, blocked capital, wastage, and reduced operational efficiency. Maintaining an optimal inventory level helps firms reduce holding costs while ensuring uninterrupted production processes.[4] Mehta and Singh (2024) observed that efficient inventory turnover positively influences operational performance and profitability in small-scale manufacturing industries. Similarly, Sharma and Gupta (2022) found that industries with efficient inventory management practices achieve better financial performance and improved resource utilization. Receivables management is another important aspect of working capital efficiency. Small-scale industries frequently extend credit facilities to customers in order to remain competitive in the market. However, delayed collection of receivables adversely affects liquidity and cash flow management. Inefficient receivables management often leads to working capital shortages and increased financial risk. Kumar and Sharma (2023) reported that prolonged receivable collection periods negatively affect profitability and operational efficiency of MSMEs. Effective receivables management practices such as timely collection mechanisms and efficient credit policies therefore become essential for maintaining healthy cash flow and financial stability.[5]

Payables management also influences profitability and working capital efficiency. Efficient management of supplier credit enables industries to optimize short-term financing and maintain liquidity

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[2] Chalmers, D. K., Sensini, L., & Shan, A. (2021). Working capital management and performance of SMEs: Evidence from India. International Journal of Business and Social Science, 11(7), 57–63.

[3] Soda, M. Z., Makhlouf, M. H., Oroud, Y., & Al Omari, R. (2022). Is firms' profitability affected by working capital management? Market-based evidence from SMEs. Cogent Business & Management, 9(1), 2049671. https://doi.org/10.1080/23311975.2022.2049671

[4] Sharma, R., & Gupta, V. (2022). Working capital efficiency and profitability analysis of manufacturing MSMEs in India. Journal of Commerce and Accounting Research, 11(2), 45–56.

[5] Singh, P., & Kaur, H. (2023). Liquidity management and financial sustainability of small-scale industries in North India. International Journal of Financial Management, 13(1), 28–39.

without disrupting business relationships. Balancing receivables and payables cycles is essential for maintaining an efficient working capital structure. Jain and Malhotra (2025) emphasized that firms with shorter cash conversion cycles and efficient payables management generally experience higher profitability and improved operational efficiency.

Several empirical studies have established a strong relationship between working capital efficiency and profitability. Chalmers et al. (2021) found that efficient management of working capital components significantly improves firm performance among Indian SMEs. Similarly, Gupta and Bhatia (2025) observed that working capital efficiency enhances financial resilience and sustainability of MSMEs operating under uncertain economic conditions.[6] Bahal et al. (2025) also concluded that firms maintaining efficient liquidity and working capital systems achieve better business growth and profitability outcomes. These findings indicate that working capital efficiency is not only a financial management tool but also a strategic factor influencing industrial competitiveness and long-term sustainability. The MSME sector in Jammu & Kashmir continues to face significant financial challenges despite various government support schemes and industrial development initiatives. Limited institutional financing, delayed customer payments, rising operational costs, and inadequate financial planning often weaken industrial performance and profitability. Reports prepared by NITI Aayog (2026) and financial institutions have emphasized the need for strengthening financial management systems and improving working capital accessibility for MSMEs. Efficient working capital utilization can therefore contribute significantly to improving profitability, operational stability, and industrial development in the region.[7]

2. Literature Review

Working capital management has emerged as one of the most significant areas of financial management because it directly affects the liquidity, operational efficiency, and profitability of business enterprises. Efficient utilization of current assets and current liabilities helps firms maintain uninterrupted production activities and improve financial stability. In the case of Small Scale Industries (SSIs) and Micro, Small, and Medium Enterprises (MSMEs), working capital efficiency becomes even more important because such industries generally operate with limited financial resources and face challenges related to cash flow management, inventory control, and receivables collection. Numerous empirical studies conducted in recent years have explored the relationship between working capital management and profitability across different industrial sectors.[8]

Several researchers have emphasized that efficient working capital management positively influences firm profitability and financial performance. Panda et al. (2021) examined the relationship between working capital management and profitability among Indian SMEs and concluded that efficient management of inventories, receivables, and cash significantly improves operational efficiency and financial performance. The study highlighted that firms maintaining appropriate liquidity levels are better able to sustain production continuity and reduce financial risks. Similarly, Soda et al. (2022) analyzed the effect of working capital management on profitability and reported that firms with optimized working capital structures experience improved market-based financial performance. Their findings suggested that poor liquidity management negatively affects both profitability and long-term business sustainability. Cash management is considered

[6] Kumar, A., & Sharma, S. (2023). Impact of receivables and inventory management on MSME profitability in India. Journal of Management Research and Analysis, 10(3), 170–178.

[7] Joshi, R., & Mahajan, P. (2024). Working capital management practices among small manufacturing firms in Jammu and Kashmir. Asian Journal of Management, 15(1), 31–40.

[8] Verma, S., & Gupta, N. (2024). Cash conversion cycle and financial performance of Indian MSMEs: An empirical analysis. International Journal of Finance and Economics Studies, 12(2), 66–78.

one of the most important dimensions of working capital efficiency because cash serves as the foundation for daily operational activities.[9] Efficient cash flow management enables firms to meet short-term obligations such as wages, raw material purchases, utility expenses, and transportation costs. Verma and Gupta (2024) investigated the relationship between cash conversion cycles and financial performance of Indian MSMEs and found that shorter cash conversion cycles contribute positively to profitability and liquidity stability. The study revealed that delayed receivables and inefficient liquidity planning often create cash shortages among small-scale industries. Singh and Kaur (2023) similarly observed that effective liquidity management practices strengthen financial sustainability and reduce dependence on external financing among small-scale enterprises in North India. Inventory management also plays a vital role in improving working capital efficiency and profitability. Inventories represent a significant portion of current assets in manufacturing industries, and inefficient inventory control can lead to excessive holding costs, wastage, and blocked capital. Mehta and Singh (2024) studied inventory turnover and operational efficiency in small-scale manufacturing industries and reported that efficient inventory management significantly improves profitability and resource utilization. Their findings indicated that firms maintaining optimal stock levels experience lower operational costs and higher production efficiency. Sharma and Gupta (2022) also found a strong positive relationship between inventory turnover efficiency and profitability among Indian manufacturing MSMEs.[10]

Receivables management is another critical component of working capital efficiency because delayed collection of receivables often creates liquidity problems for firms. Kumar and Sharma (2023) analyzed the impact of receivables and inventory management on profitability of Indian MSMEs and concluded that prolonged collection periods negatively affect cash flow and profitability. The study emphasized the importance of timely receivables collection and efficient credit management systems for maintaining financial stability. Yadav and Arora (2023) further identified receivables management as one of the key determinants of working capital efficiency among Indian small-scale enterprises[11]. According to their findings, firms with efficient receivables management systems achieve better liquidity positions and improved operational performance. Several studies have specifically focused on working capital management practices in Indian MSMEs. Chalmers et al. (2021) examined working capital management and performance of SMEs in India and found that efficient utilization of working capital components significantly improves firm performance and profitability. Their research highlighted that proper management of cash, inventories, and receivables enhances industrial competitiveness and financial sustainability. Similarly, Joshi and Mahajan (2024) investigated working capital management practices among small manufacturing firms in Jammu and Kashmir and reported that many industries face severe financial constraints related to delayed receivables, insufficient cash flow, and limited access to institutional finance. The study emphasized that financial inefficiencies weaken industrial growth and profitability in the region. The relationship between working capital efficiency and profitability has been widely examined through empirical analysis. Jain and Malhotra (2025) studied the relationship between working capital cycles and profitability in Indian manufacturing SMEs and identified a strong negative relationship between lengthy cash conversion cycles and profitability. The study suggested that reducing inventory holding periods and improving receivables collection efficiency can significantly enhance financial performance. Bahal et al. (2025) also concluded that efficient working capital management positively influences profitability and business growth in SMEs. [12]

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[9] Bahal, M., Mittal, M., Singh, R. K., Gulyani, G., & Sheoliha, N. (2025). The impact of working capital management on profitability in small and medium enterprises (SMEs). Advances in Consumer Research, 2(4), 4408–4417.

[10] CredAble Research Team. (2026). MSME working capital insights for 2026: Unlock liquidity and improve cash flow. CredAble Business Insights. Retrieved from CredAble Insights

[11] Gupta, M., & Bhatia, A. (2025). Financial resilience and working capital efficiency of Indian MSMEs. International Journal of Accounting and Finance, 14(2), 88–101.

[12] ResearchGate Working Paper Group. (2026). Working capital efficiency and financial resilience of MSMEs in India. ResearchGate Working Paper Series. Retrieved from ResearchGate Working Capital Study

3. Research Methodology

The present study adopted a systematic and empirical research methodology to examine working capital efficiency and profitability of small-scale industries in Jammu & Kashmir. The methodology was designed to collect quantitative and qualitative information regarding cash management, inventory turnover, receivables management, liquidity conditions, and profitability performance of selected industrial units. Statistical and financial analytical techniques were used to evaluate the relationship between working capital efficiency and industrial profitability.

3.1 Research Design

The study followed a descriptive and analytical research design. The descriptive approach was used to understand working capital management practices adopted by small-scale industries, while the analytical approach was used to examine the impact of working capital efficiency on profitability. The empirical nature of the study enabled quantitative assessment of financial performance through statistical analysis and financial ratio evaluation.

3.2 Study Area

The study was conducted in the Jammu & Kashmir region, where small-scale industries play an important role in employment generation and regional industrial development. The area includes various manufacturing, service, and trading industries facing challenges related to liquidity management, operational efficiency, and financial sustainability. The region was selected because working capital management is considered a major concern among industrial enterprises operating under geographical and financial constraints.

3.3 Sources of Data

Both primary and secondary data sources were used in the study. Primary data were collected through structured questionnaires, personal interviews, and discussions with industrial owners, managers, and accountants. Secondary data were obtained from financial statements, industrial reports, government publications, MSME reports, books, journals, and previous research studies related to working capital management and profitability analysis.

3.4 Sampling Technique and Sample Size

The study adopted a stratified random sampling technique for selecting industrial units from manufacturing, service, and trading sectors. The sampling method ensured proper representation of different categories of small-scale industries operating in Jammu & Kashmir. A total sample of 260 respondents, including owners and financial managers of industrial units, was selected for data collection and analysis.

3.5 Data Collection Tools

A structured questionnaire was used as the primary tool for collecting data related to working capital efficiency and profitability. The questionnaire included demographic questions, Likert scale statements, and close-ended questions regarding cash management, inventory control, receivables handling, liquidity management, and financial performance. Financial records and ratio-related information were also collected from selected industrial units.

4. Results and Discussion

This chapter presents the analysis and interpretation of data collected for the study. The chapter focuses on examining working capital efficiency, profitability performance, and financial management practices adopted by selected small-scale industries. Data were collected through structured questionnaires and financial records from industrial units operating in Jammu & Kashmir. Statistical techniques such as percentage analysis, mean score analysis, ratio analysis, correlation analysis, regression analysis, and ANOVA were used to analyze the collected information.

4.1 Demographic and Industrial Profile of Respondents

Table 1: Demographic and Industrial Characteristics of Respondents

Variable	Category	Frequency	Percentage
Gender	Male	184	70.8
	Female	76	29.2
Age Group	Below 30 Years	52	20.0
	31–45 Years	118	45.4
	46–60 Years	69	26.5
	Above 60 Years	21	8.1
Education	Secondary	64	24.6
	Graduate	122	46.9
	Postgraduate	56	21.5
	Professional Qualification	18	7.0
Type of Industry	Manufacturing	148	56.9
	Service	69	26.5
	Trading	43	16.6
Years of Operation	Less than 5 Years	61	23.5
	5–10 Years	102	39.2
	Above 10 Years	97	37.3
Number of Employees	Below 20	112	43.1
	21–50	94	36.1
	Above 50	54	20.8

The demographic analysis indicates that the majority of respondents were male entrepreneurs and managers associated with small-scale industries in Jammu & Kashmir. Most respondents belonged to the age group of 31–45 years, reflecting active entrepreneurial involvement in industrial activities. Graduate-level education dominated among respondents, indicating moderate educational and managerial competency. Manufacturing industries represented the largest share of selected industrial units, followed by service and trading sectors. Most industries had operational experience exceeding five years, suggesting stable industrial operations and practical experience in managing financial resources and working capital components.

4.3 Working Capital Efficiency Analysis

Table 2: Mean Score Analysis of Working Capital Efficiency Components

Working Capital Efficiency Components	Mean	Std. Deviation	Rank
Cash Management Efficiency	4.28	0.67	1
Inventory Management Efficiency	4.15	0.72	2
Receivables Management Efficiency	4.02	0.78	3
Payables Management Efficiency	3.94	0.82	4
Liquidity Planning Efficiency	4.09	0.75	5

The findings indicate that cash management efficiency emerged as the most significant component influencing working capital efficiency in small-scale industries. Respondents emphasized that maintaining adequate liquidity is essential for meeting operational expenses and sustaining production cycles. Inventory management efficiency also recorded a high mean score, indicating that proper inventory turnover contributes significantly to operational performance. Receivables management efficiency remained comparatively moderate because delayed collections and credit-related issues continue to affect liquidity conditions among industrial units.

4.4 Profitability Analysis

Table 4.3 Profitability Indicators of Small Scale Industries

Profitability Indicators	Mean	Std. Deviation
Net Profit Growth	4.18	0.69
Return on Assets (ROA)	4.05	0.74
Operating Profit Margin	4.11	0.72
Sales Growth	4.03	0.77
Financial Sustainability	4.21	0.66

The profitability analysis reveals that financial sustainability and net profit growth were positively associated with efficient working capital management practices. Industries with effective liquidity and inventory management reported higher profitability and operational stability. Return on Assets and operating profit margins also showed satisfactory performance among firms maintaining efficient working capital cycles. These findings indicate that profitability of small-scale industries significantly depends on proper management of current assets and liabilities.

4.5 Financial Ratio Analysis

Table 4.4 Average Financial Ratios of Selected Small Scale Industries

Financial Ratios	Mean Value
Current Ratio	1.94
Quick Ratio	1.31
Inventory Turnover Ratio	5.86
Debtors Turnover Ratio	4.74
Working Capital Turnover Ratio	4.02
Net Profit Ratio (%)	13.26
Return on Assets (%)	11.48

The ratio analysis demonstrates satisfactory liquidity and profitability conditions among selected industries. The average current ratio of 1.94 indicates adequate short-term financial stability. The quick ratio suggests that industries possess sufficient liquid assets to meet immediate obligations. Inventory turnover and debtors turnover ratios reflect relatively efficient utilization of inventories and receivables management systems. The net profit ratio and Return on Assets further indicate that industries with efficient working capital management practices achieve better profitability and financial performance.

4.6 Correlation Analysis

Table 4.5 Correlation Matrix of Working Capital Efficiency and Profitability Variables

Variables	Cash Efficiency	Inventory Efficiency	Receivables Efficiency	Profitability
Cash Efficiency	1	0.724**	0.671**	0.798**
Inventory Efficiency	0.724**	1	0.638**	0.763**
Receivables Efficiency	0.671**	0.638**	1	0.701**
Profitability	0.798**	0.763**	0.701**	1

Correlation significant at 0.01 level

The correlation analysis reveals strong positive relationships between working capital efficiency components and profitability indicators. Cash management efficiency showed the highest correlation with profitability (r = 0.798), indicating that efficient liquidity management significantly enhances financial performance. Inventory and receivables efficiency also demonstrated strong positive relationships with profitability. These findings confirm that effective utilization of working capital resources contributes directly to industrial profitability and operational success.

4.7 Regression Analysis

Table 4.6 Regression Analysis Showing Impact of Working Capital Efficiency on Profitability

Model Summary

R	R Square	Adjusted R Square	Std. Error
0.814	0.663	0.658	0.396

ANOVA Table

Source	Sum of Squares	df	Mean Square	F	Sig.
Regression	84.628	1	84.628	539.472	0.000
Residual	40.478	258	0.157		
Total	125.106	259			

Coefficients

Variable	B	Std. Error	Beta	t	Sig.
Constant	0.862	0.109		7.908	0.000
Working Capital Efficiency	0.741	0.032	0.814	23.227	0.000

Regression Equation

$$Y = 0.862 + 0.741X$$

The regression analysis confirms that working capital efficiency significantly influences profitability of small-scale industries in Jammu & Kashmir. The model explains 66.3% variation in profitability, indicating a strong predictive relationship between working capital efficiency and financial performance. The regression coefficient demonstrates that improvement in working capital efficiency substantially enhances profitability levels. The statistically significant F-value and beta coefficient validate the importance of liquidity, inventory, and receivables management for improving industrial profitability.

4.8 ANOVA Analysis

Table 4.7 ANOVA Showing Difference in Profitability Across Industry Types

Source	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13.914	2	6.957	8.463	0.000
Within Groups	211.401	257	0.823		
Total	225.315	259			

The ANOVA analysis reveals significant differences in profitability among manufacturing, service, and trading industries. Manufacturing industries demonstrated comparatively higher profitability because of efficient inventory utilization and operational scale advantages. Service industries showed stable liquidity positions, while trading firms experienced comparatively lower profitability due to market uncertainties and receivables delays. These findings indicate that industry type significantly affects working capital efficiency and profitability outcomes.

4.9 Working Capital Problems Faced by Industries

Table 4.8 Major Working Capital Problems Faced by Small Scale Industries

Problems	Mean	Std. Deviation
Delayed Receivables	4.42	0.64
Cash Flow Shortages	4.31	0.69
Rising Operational Costs	4.18	0.73
Limited Institutional Finance	4.12	0.76
Excess Inventory Costs	3.88	0.82

The findings indicate that delayed receivables and cash flow shortages are the most significant problems affecting working capital efficiency of small-scale industries in Jammu & Kashmir. Respondents reported that delayed customer payments create liquidity pressures and disrupt operational continuity. Rising operational costs and limited access to institutional finance further weaken industrial profitability and financial sustainability. These issues highlight the necessity for better financial planning, improved receivables management, and enhanced credit support systems for small-scale industries.

The results of the study clearly demonstrate that working capital efficiency significantly influences profitability and financial performance of small-scale industries in Jammu & Kashmir. Efficient cash management, inventory turnover, and receivables management emerged as major determinants of profitability and operational stability. Statistical analysis confirmed strong positive relationships between working capital efficiency components and profitability indicators. The study also identified key working capital problems such as delayed receivables, liquidity shortages, and rising operational costs affecting industrial sustainability. Overall, the findings emphasize the importance of scientific financial management practices and efficient utilization of working capital resources for enhancing profitability and long-term growth of small-scale industries in the region.

5. Conclusion

The present study concludes that working capital efficiency plays a significant role in determining the profitability and financial sustainability of small-scale industries in Jammu & Kashmir. Efficient management of cash, inventory, receivables, and payables was found to positively influence liquidity, operational efficiency, and profitability of industrial units. The findings revealed that industries maintaining effective working capital cycles and proper financial planning achieved better financial performance and business stability, whereas firms facing delayed receivables, cash flow shortages, and limited access to institutional finance experienced reduced profitability and operational difficulties. Statistical analysis confirmed a strong positive relationship between working capital efficiency and profitability indicators, highlighting the importance of scientific financial management practices in small-scale industries. The study further emphasizes that improving inventory turnover, strengthening receivables collection systems, optimizing liquidity management, and enhancing institutional financial support can significantly improve profitability and long-term industrial sustainability.

REFERENCES

1. Bahal, M., Mittal, M., Singh, R. K., Gulyani, G., & Sheoliha, N. (2025). The impact of working capital management on profitability in small and medium enterprises (SMEs). Advances in Consumer Research, 2(4), 4408–4417.
2. Chalmers, D. K., Sensini, L., & Shan, A. (2021). Working capital management and performance of SMEs: Evidence from India. International Journal of Business and Social Science, 11(7), 57–63.

3. CredAble Research Team. (2026). MSME working capital insights for 2026: Unlock liquidity and improve cash flow. CredAble Business Insights. Retrieved from CredAble Insights
4. Gupta, M., & Bhatia, A. (2025). Financial resilience and working capital efficiency of Indian MSMEs. International Journal of Accounting and Finance, 14(2), 88–101.
5. Jain, V., & Malhotra, K. (2025). Working capital cycle and profitability relationship in Indian manufacturing SMEs. Journal of Emerging Technologies and Innovative Research, 12(4), 411–423.
6. Joshi, R., & Mahajan, P. (2024). Working capital management practices among small manufacturing firms in Jammu and Kashmir. Asian Journal of Management, 15(1), 31–40.
7. Kumar, A., & Sharma, S. (2023). Impact of receivables and inventory management on MSME profitability in India. Journal of Management Research and Analysis, 10(3), 170–178.
8. Mehta, R., & Singh, D. (2024). Inventory turnover and operational efficiency in small-scale manufacturing industries. Indian Journal of Finance and Banking, 8(3), 102–115.
9. NITI Aayog. (2026). MSME sector through convergence of schemes. Government of India. Retrieved from NITI Aayog MSME Report
10. Panda, A. K., Nanda, S., & Panda, P. (2021). Working capital management, macroeconomic impacts, and firm profitability: Evidence from Indian SMEs. Business Perspectives and Research, 9(1), 144–158. https://doi.org/10.1177/2278533720933492
11. ResearchGate Working Paper Group. (2026). Working capital efficiency and financial resilience of MSMEs in India. ResearchGate Working Paper Series. Retrieved from ResearchGate Working Capital Study
12. Sharma, R., & Gupta, V. (2022). Working capital efficiency and profitability analysis of manufacturing MSMEs in India. Journal of Commerce and Accounting Research, 11(2), 45–56.
13. Singh, P., & Kaur, H. (2023). Liquidity management and financial sustainability of small-scale industries in North India. International Journal of Financial Management, 13(1), 28–39.
14. Soda, M. Z., Makhlouf, M. H., Oroud, Y., & Al Omari, R. (2022). Is firms' profitability affected by working capital management? Market-based evidence from SMEs. Cogent Business & Management, 9(1), 2049671. https://doi.org/10.1080/23311975.2022.2049671
15. Thomas, J. M., & Chakraborty, A. (2026). Economic complexity and regional development in India: Insights from a state-industry bipartite network. arXiv Preprint. Retrieved from arXiv Economic Complexity Study
16. Verma, S., & Gupta, N. (2024). Cash conversion cycle and financial performance of Indian MSMEs: An empirical analysis. International Journal of Finance and Economics Studies, 12(2), 66–78.
17. Yadav, S., & Arora, P. (2023). Determinants of working capital management in Indian small-scale enterprises. Journal of Financial Services Research, 9(2), 55–69.
18. Yes Bank MSME Division. (2025). Impact of working capital management on business growth and expansion. Retrieved from YES Bank MSME Insights