Intesab Aalami
ISSN: 2348-5035
Vol. 12 / No. 1 / Jan-Mar 2024

Small Finance Banks in India: A Systematic Literature Review on Financial Inclusion, Performance, Challenges and Future Prospects

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Abstract
Small Finance Banks (SFBs) were introduced in India by the Reserve Bank of India with the primary objective of promoting financial inclusion and extending formal banking services to unserved and underserved sections of society. These banks mainly cater to small farmers, micro and small enterprises, low-income households and customers in rural and semi-urban areas. Since their establishment, SFBs have emerged as an important component of the Indian banking system by mobilizing savings, providing credit facilities and supporting inclusive economic growth.
The present study undertakes a Systematic Literature Review (SLR) of research conducted on Small Finance Banks in India. The review analyzes existing studies related to the performance, profitability, operational efficiency, challenges and contribution of SFBs toward financial inclusion. Relevant literature published in journals, reports and academic sources has been systematically examined to identify major themes and research trends.
The findings of the review indicate that SFBs have made significant progress in expanding banking outreach and improving access to finance for marginalized groups. However, these institutions continue to face challenges such as high operating costs, rising non-performing assets, regulatory compliance pressures, limited capital base and intense competition from commercial banks and fintech firms.
The review concludes that Small Finance Banks possess strong potential to strengthen India's financial inclusion agenda, provided they address operational and financial constraints efficiently.
Keywords: *Small Finance Banks, Financial Inclusion, Banking Performance, Low Income Group*

1. Introduction

Small Finance Banks (SFBs) represent an important institutional innovation in the Indian banking system, introduced by the Reserve Bank of India (RBI) to strengthen financial inclusion and widen the reach of formal financial services. The concept emerged from the recommendations of the Committee on Comprehensive Financial Services for Small Businesses and Low-Income Households, chaired by Dr. Raghuram Rajan, which emphasized the need for differentiated banking institutions to meet the financial needs of underserved populations. Accordingly, the RBI issued guidelines for licensing Small Finance Banks in 2014andthe first set of banks commenced operations in 2016 (RBI, 2021).

The primary objective of SFBs is to provide basic banking facilities such as savings accounts, deposits, remittances and credit to segments that traditionally faced limited access to institutional finance. These include small and marginal farmers, micro and small enterprises, low-income households, self-employed workers and customers in rural and semi-urban regions. Unlike universal commercial banks, SFBs are specifically mandated to prioritize inclusive lending and deposit mobilization among economically weaker sections. Their business model combines localized outreach with technology-enabled low-cost operations, making them effective instruments for inclusive growth (RBI, 2022).

Since their establishment, Small Finance Banks have expanded steadily across India through branch networks, digital banking channels and customer acquisition initiatives. According to recent banking sector reports, SFBs have shown consistent growth in deposits, advances and customer base, particularly in rural and semi-urban areas where conventional banking penetration remained low. Their role has been especially significant in promoting savings habits, supporting self-employment, financing micro-enterprises and encouraging entrepreneurship among women and small borrowers (NABARD, 2021; SIDBI, 2022).

The sector gained further relevance during and after the COVID-19 pandemic, when access to small-ticket credit, digital transactions and localized banking services became essential. Several studies between 2020 and 2023 observed that SFBs adapted relatively quickly through digital onboarding, mobile banking and targeted lending support to vulnerable customers. This helped sustain financial activity among small businesses and households affected by economic disruptions (Kumar & Singh, 2021; Mehta, 2022).

Despite these achievements, Small Finance Banks continue to face multiple operational and strategic challenges. High cost of funds, rising competition from scheduled commercial banks, NBFCs, payment banks and fintech firms, pressure on net interest margins and concerns regarding asset quality remain major issues. Many SFBs also operate with relatively smaller capital bases, making them more sensitive to economic shocks and regulatory requirements. Recent industry assessments have highlighted the need for stronger governance systems, improved risk management practices, portfolio diversification and technological innovation to ensure long-term sustainability (ICRA, 2023; CARE Ratings, 2023).

In addition, the transformation of several microfinance institutions into Small Finance Banks has created opportunities as well as transition-related challenges. While these institutions brought strong grassroots customer relationships and lending experience, they also had to adapt to full-service banking requirements such as deposit mobilization, treasury management, regulatory compliance and broader product offerings (Patel & Joshi, 2020).

With the increasing importance of SFBs in India's financial architecture, a growing body of academic and professional literature has examined their performance, profitability, contribution to financial inclusion, customer outreach and future prospects. However, these studies remain dispersed across journals, institutional reports and policy documents. A systematic literature review is therefore necessary to consolidate available evidence, identify dominant themes, assess research trends and highlight gaps for future investigation. Such a review can provide a comprehensive understanding of the evolving role of Small Finance Banks in supporting equitable and sustainable economic development in India.

2. Review of Literature

The introduction of Small Finance Banks (SFBs) in India marked an important step toward strengthening the country's financial inclusion agenda. Since their inception, these institutions have attracted significant academic and policy attention because of their unique mandate to provide formal banking services to unserved and underserved sections of society. Existing literature has examined the contribution of SFBs from multiple dimensions, including financial inclusion, branch expansion, profitability, operational efficiency, customer outreach, digital transformation and long-term sustainability. The review of previous studies demonstrates that SFBs have emerged as a relevant component of India's evolving banking system. Early studies largely concentrated on the developmental role of SFBs in improving financial inclusion. Mohanty (2018) emphasized that Small Finance Banks possess strong potential to serve unbanked and underserved regions of the country. The study highlighted that traditional commercial banks often failed to adequately address the credit requirements of weaker sections, whereas SFBs were better positioned to provide localized and customer-specific banking services. The study further suggested that these banks could significantly contribute to the growth of Micro, Small and Medium Enterprises (MSMEs), which form the backbone of employment generation in India.

Similarly, Arora et al. (2018) examined the role of Small Finance Banks in achieving financial inclusion and argued that the success of inclusive banking depends on the availability of the "4A's" of financial services, namely awareness, affordability, accessibility and accountability. The study concluded that SFBs have the institutional capability to deliver these services efficiently and can therefore support broader economic development. The researchers also established a positive relationship between financial inclusion and economic growth, thereby reinforcing the importance of SFBs in national development. A number of studies conducted in 2019 focused on the performance and feasibility of the SFB model. Amulya (2019) analyzed the progress of SFBs in terms of deposits, advances, profitability ratios, geographical spread and customer base. The study concluded that despite regulatory obligations such as priority sector lending norms and restrictions on loan size, these banks demonstrated satisfactory performance. However, the researcher recommended long-term analysis to better understand their commercial sustainability and future growth trajectory. Dhanya and Bhanu devi (2019) examined the threats and challenges faced by Small Finance Banks using a SWOT framework. The study identified several issues such as high operating costs, increasing competition from commercial banks and NBFCs, deposit mobilization challenges and rising non-performing assets. Although the researchers acknowledged the progress made by the sector, they emphasized the need for strategic planning and stronger managerial practices for sustained growth. Rashid (2019) conducted a quantitative study using the Generalized Linear Model (GLM) to examine the trends in deposit and credit activities of Small Finance Banks. The findings revealed significant differences in deposit and lending patterns over time, indicating that the sector was evolving rapidly in response to changing market demand and customer behavior. Lakshminarayana (2019) also analyzed the financial position of a leading Small Finance Bank and observed a stable debt-equity structure, while recommending stronger profitability measures and effective credit monitoring systems. Ravikumar (2019) further noted that SFBs were contributing positively to rural and semi-urban banking penetration and had become important vehicles for inclusive growth.

The literature published in 2020 shifted attention toward sustainability, institutional transformation and operational performance. Sharma and Verma (2020) studied the contribution of SFBs toward financial inclusion and found that these institutions significantly improved access to formal finance for women entrepreneurs, low-income households and small borrowers. The study also noted that SFBs helped reduce dependence on informal moneylenders, thereby improving the financial security of weaker sections. Patel and Joshi (2020) examined the transition of microfinance institutions into Small Finance Banks. Since several SFBs originated from the microfinance sector, the study found that transformation into full-service banks improved institutional credibility, enabled deposit mobilization and expanded product offerings. However, the researchers also highlighted challenges such as compliance with banking regulations, technological restructuring and the need for professional management systems.

Kangayan and Dhevan (2020) assessed the sustainability of SFBs by studying the relationship between cost of funds and profitability. Their findings suggested that profitability was not significantly affected by the cost of funds, indicating that efficient operational management and targeted lending strategies were helping banks maintain margins. Ravikumar et al. (2020) further analyzed the penetration and financial performance of SFBs using indicators such as branches, deposits, advances, Net Non-Performing Assets (NNPA) and Capital Adequacy Ratio (CAR). The study concluded that these banks had achieved steady business growth with acceptable asset quality and financial stability. During 2021, scholarly interest increased in the progress and technological transformation of the sector. Kumar and Singh (2021) studied the adoption of digital banking practices by Small Finance Banks during the COVID-19 pandemic. The study found that mobile banking, Unified Payments Interface (UPI), digital account opening and online customer support systems improved service delivery and customer convenience. The researchers concluded that digital transformation had become essential for competitiveness and long-term sustainability.

Patel and Fulwari (2021) evaluated the progress of Small Finance Banks in terms of branch expansion, regional outreach and business volume. The study found that within five years of their establishment, these banks had achieved significant growth in operational scale and customer reach. The researchers concluded that the sector was progressing in line with policy expectations. Nandhini and Rathnamani (2021) conducted comparative analysis between SFBs and conventional banking institutions and reported that SFBs had become effective instruments of inclusive finance. Gupta and Meena (2021) also highlighted that customer-oriented banking models were strengthening the market position of these institutions. The literature of 2022 focused on post-pandemic opportunities, customer service quality and developmental outcomes. Mehta (2022) observed that increasing demand for MSME finance, rural credit and digital banking created strong growth opportunities for Small Finance Banks. However, the study also warned that asset quality pressure, funding constraints and increasing operating costs remained key risks. Verma (2022) examined the role of SFBs in rural development and concluded that these institutions positively influenced employment generation, self-employment financing and small enterprise growth in backward regions. Sharma and Gupta (2022) studied profitability indicators of selected SFBs and found that efficient cost control, better asset utilization and prudent lending practices were critical determinants of performance. Joshi and Patel (2022) analyzed service quality and customer satisfaction, concluding that accessibility, responsiveness and digital convenience significantly improved customer trust and loyalty. Institutional reports such as NABARD (2022) and RBI (2022) also recognized the growing role of Small Finance Banks in rural credit expansion, financial literacy and support to priority sectors. In 2023 emphasized competitiveness, growth outlook and governance issues. ICRA (2023) reported steady expansion in deposits, advances and Profitability across the sector, but cautioned that funding pressures and higher credit costs could affect future performance. CARE Ratings (2023) observed that larger institutions demonstrated stronger asset quality management and operational efficiency compared with smaller players. Reserve Bank of India (2023) acknowledged that SFBs had become an integral part of the differentiated banking framework and continued to support national financial inclusion objectives. SIDBI (2023) highlighted the contribution of Small Finance Banks in MSME financing and enterprise development. Singh and Kumar (2023) found that technological innovation was increasingly shaping service delivery and competitive advantage. Gupta and Arora (2023) emphasized that digital banking adoption had become a strategic necessity rather than an optional initiative. Verma and Joshi (2023) concluded that rural outreach remained one of the strongest competitive advantages of the SFB model. Sharma et al. (2023) stressed the importance of governance, compliance and risk management for long-term sustainability, while Meena and Patel (2023) noted that customer retention strategies had become increasingly important in a competitive market environment.

3. Objectives of the Study

The present review paper has been undertaken to examine the existing body of literature related to Small Finance Banks in India and to develop a comprehensive understanding of their role in the banking sector. The study aims to analyze the contribution of Small Finance Banks toward promoting financial inclusion and expanding banking accessibility among underserved sections of society. It also seeks to review earlier studies relating to the financial performance, profitability and operational efficiency of these institutions. Further, the paper intends to identify the major challenges and opportunities faced by Small Finance Banks including issues related to competition, regulatory compliance and sustainability. Another important objective is to assess the impact of digital transformation and technological adoption on the growth and functioning of these banks. In addition, the review attempts to identify research gaps in the existing literature and provide suggestions for future research. Overall, the study seeks to present a systematic and integrated understanding of the contribution of Small Finance Banks to India's financial system and economic development.

4. Research Methodology

This paper is conceptual in nature and is primarily based on secondary data. The required information has been collected from various sources such as research journals, published articles, review papers, books, news reports, Reserve Bank of India publications, NABARD reports, annual reports of Small Finance Banks and other relevant institutional documents. The study mainly considers literature published during the period 2018 to 2023. The collected data have been examined and interpreted to understand the growth, performance, challenges and contribution of Small Finance Banks in India. This approach helps in providing a comprehensive review of the existing literature on the subject.

5. Thematic Insights from Existing Literature

The body of literature on Small Finance Banks (SFBs) in India has expanded considerably in recent years, reflecting growing academic and policy interest in their contribution to inclusive banking and sectoral development. Researchers have examined SFBs from different perspectives such as financial inclusion, rural outreach, operational efficiency, profitability, customer service, digital transformation and sustainability. Since these institutions were introduced with the objective of serving segments that were traditionally excluded from formal finance, most studies recognize them as an important innovation in the Indian banking framework. However, the literature also reveals that their long-term success depends on the ability to balance developmental responsibilities with commercial viability. The major themes emerging from the reviewed studies are discussed below.

5.1 Contribution to Financial Inclusion and Social Banking

Financial inclusion remains the most widely discussed theme in the literature on Small Finance Banks. Mohanty (2018) emphasized that SFBs have strong potential to extend financial services to unbanked and underserved communities, particularly in rural India. Arora et al. (2018) argued that awareness, affordability, accessibility and accountability are the key pillars of inclusive finance and SFBs are capable of delivering these outcomes effectively.

Ravikumar (2019) observed that Small Finance Banks had improved the reach of formal banking in rural and semi-urban regions. Sharma and Verma (2020) concluded that these institutions significantly improved access to formal credit for women entrepreneurs, low-income households and first-time borrowers. Joshi, Kohliand Nalawade (2021) also identified SFBs as catalysts of financial inclusion because of their focus on weaker sections and their ability to understand local credit needs.

Chaturvedi (2022) reported that SFBs have played a meaningful role in integrating underserved populations into the formal financial system by providing low-cost banking and credit services. Bansal and Kumar (2022) further noted that SFBs have helped strengthen financial participation among rural households by encouraging savings accounts and formal borrowing habits. Singh and Chauhan (2023) found that SFB-led inclusion strategies were particularly effective in districts where commercial bank penetration was historically low.

These findings suggest that SFBs have emerged as an effective institutional mechanism for promoting inclusive growth and reducing dependence on informal finance.

5.2 Growth of Branch Network, Deposits and Credit Expansion

Another important theme concerns the expansion of branch infrastructure and business scale of Small Finance Banks. Patel and Fulwari (2021) found that SFBs recorded rapid growth in branch numbers, regional coverage and business operations within five years of establishment. Ravikumar et al. (2020) reported continuous increases in deposits and advances, indicating growing public confidence in the sector.

Chaturvedi (2022) observed that SFBs expanded their branch presence significantly and improved banking access in rural and semi-urban areas. Rashid (2019), using quantitative methods, found significant differences in deposit and credit trends over time, indicating sectoral dynamism.

Nair and Thomas (2022) examined deposit mobilization patterns and concluded that personalized services and local presence helped SFBs attract retail depositors. Gupta and Meena (2021) observed that customer-friendly products and simplified procedures contributed to faster business growth. ICRA (2023) reported consistent growth in deposits and lending portfolios across the sector, while CARE Ratings (2023) found that leading SFBs were outperforming smaller players in scale expansion.

Verma and Reddy (2023) further noted that credit growth in the MSME and small borrower segments remained a major strength of the SFB model. These findings indicate that SFBs have moved beyond their initial experimental phase and are becoming stable growth-oriented banking institutions.

5.3 Profitability, Efficiency and Financial Sustainability

Financial sustainability is another major concern in the literature. Amulya (2019) assessed the performance of SFBs through profitability ratios such as ROA, ROE and NIM, concluding that these banks were able to maintain reasonable financial performance despite regulatory obligations. Lakshminarayana (2019) also reported stable financial positioning of a leading SFB but recommended stronger earnings strategies.

Kangayan and Dhevan (2020) analyzed the relationship between cost of funds and profitability and found no significant negative effect of funding costs on profitability. Sharma and Gupta (2022) emphasized that cost efficiency and asset utilization were critical determinants of financial success.

Saraf and Chavan (2021) highlighted the challenge of balancing financial inclusion objectives with commercial viability. Chatterjee and Roy (2022) found that SFB profitability depended heavily on portfolio diversification and recovery efficiency. ICRA (2023) observed improving profitability trends across larger SFBs, while CARE Ratings (2023) noted that institutions with stronger governance structures were financially more resilient.

Mishra and Tiwari (2023) found that banks with stronger CASA deposit bases showed better sustainability than those dependent on wholesale funding. These findings indicate that although many SFBs are profitable, long-term sustainability requires prudent risk management, low-cost funding and operational efficiency.

5.4 Technology Adoption, Digital Banking and Customer Experience

Recent studies increasingly identify digital transformation as a strategic necessity for Small Finance

Banks. Kumar and Singh (2021) found that during the COVID-19 period, SFBs accelerated adoption of mobile banking, UPI payments, digital onboarding and remote customer support systems. This improved accessibility and operational continuity.

Joshi and Patel (2022) studied customer satisfaction and found that digital responsiveness, quick service and convenience significantly enhanced customer trust. Gupta and Arora (2023) argued that technology integration has become essential for SFB competitiveness in a rapidly changing financial market.

Bhatia and Sharma (2022) observed that customers preferred SFBs offering user-friendly mobile applications and faster loan processing systems. Singh and Kumar (2023) concluded that digital innovation positively influenced customer retention and service quality. Mehra and Soni (2023) found that fintech partnerships helped SFBs improve outreach and reduce transaction costs.

Chaturvedi (2022) also emphasized that digital transactions can reduce reliance on cash and enhance financial inclusion among low-income users.

The literature therefore suggests that future competitiveness of SFBs will depend not only on branch presence but also on strong digital ecosystems and customer-centric technology platforms.

5.5 Challenges, Risks and Future Prospects

Despite their achievements, Small Finance Banks continue to face multiple structural and operational challenges. Dhanya and Bhanudevi (2019) identified increasing competition, operational constraints and strategic weaknesses as major concerns. Mehta (2022) reported that rising operating costs, funding pressure and asset quality risks remained key threats to sectoral growth.

The pandemic period created additional stress. Chaturvedi (2022) reported that several SFBs faced rising delinquencies and profitability pressure during COVID-19 due to disruption in borrower cash flows. However, many banks responded through digital collections, customer restructuring and focused recovery mechanisms.

Sharma et al. (2023) emphasized the importance of governance quality, regulatory compliance and enterprise risk management for long-term success. Meena and Patel (2023) found that customer retention and brand trust had become increasingly important in competitive markets. Verma and Joshi (2023) argued that rural specialization remains the strongest comparative advantage of SFBs. SIDBI (2023) highlighted the continuing importance of SFBs in MSME financing and entrepreneurship promotion.

Agarwal and Nanda (2023) concluded that future growth prospects remain strong because of expanding demand for small-ticket credit, rural banking services and digital finance. However, sustainability will depend on balancing growth with prudent lending standards.

6. Research Gaps and Future Research Directions

Although the existing literature on Small Finance Banks (SFBs) in India provides valuable insights into their contribution toward financial inclusion, branch expansion, lending growth and operational progress, several important research gaps continue to remain. Most of the available studies are recent in nature and primarily focus on the initial years of establishment of these banks. As a result, limited long-term evidence is available regarding their sustained profitability, operational efficiency, asset quality management and long-run financial stability. Future studies may therefore examine the long-term performance trends of Small Finance Banks through panel data and time-series analysis.

Another significant gap in the literature is the lack of comprehensive comparative studies among all Small Finance Banks. Existing research often concentrates on selected institutions or provides general sector-level observations. However, differences in business models, geographical outreach, customer base, profitability and digital capabilities among various SFBs require deeper comparative investigation. Future research can compare the performance of individual SFBs to identify best practices and strategic differences within the sector.

The literature also provides limited attention to customer satisfaction, service quality, customer loyalty and trust in relation to Small Finance Banks. Since customer retention is crucial in the modern banking environment, more studies are needed to understand customer perceptions regarding branch services, loan processing efficiency, grievance handling, accessibility and digital convenience. Such research can help explain the competitive position of SFBs in relation to commercial and private sector banks.

Another emerging area requiring academic focus is digital banking adoption. While some studies mention the use of mobile banking, UPI and online services, comprehensive research on customer acceptance of digital platforms, cybersecurity awareness, digital literacy and the impact of technology on operational efficiency remains limited. Future studies may examine how digital transformation can enhance financial inclusion and profitability of Small Finance Banks.

Further, only a few district-level or state-level studies are available in the current literature. Since economic conditions, customer behavior, financial awareness and banking needs differ across regions, localized studies can provide more practical insights into the effectiveness of Small Finance Banks in specific geographical contexts. Comparative regional studies may also reveal disparities in outreach and performance.

The literature also lacks sufficient discussion on Environmental, Social and Governance (ESG) practices and green banking initiatives in the Small Finance Bank sector. As sustainability has become an important global banking priority, future studies may explore whether SFBs are adopting environmentally responsible lending practices, financial inclusion-linked social goals and sound governance systems.

Another major research opportunity lies in understanding the post-COVID resilience of Small Finance Banks. Although some studies discuss pandemic-related disruptions in loan recovery and profitability, limited evidence exists regarding their long-term recovery strategies, changes in customer borrowing behavior and risk management reforms after the pandemic. Future studies may focus on resilience, adaptability and crisis preparedness of these institutions.

Finally, there is substantial scope for research on Artificial Intelligence (AI), fintech collaboration and innovation in Small Finance Banks. The use of AI in credit scoring, fraud detection, customer service automation and personalized financial products remains largely unexplored in the literature. Similarly, partnerships between SFBs and fintech firms can become an important area of future study for improving outreach, efficiency and digital competitiveness.

Therefore, while the literature on Small Finance Banks has grown steadily, wide opportunities remain for future researchers to explore long-term sustainability, comparative performance, customer behavior, regional dynamics, ESG practices, post-pandemic resilience and technology-driven transformation in the sector.

7. Implications of the Study

The present study provides important implications for policymakers, banking professionals and researchers regarding the role of Small Finance Banks (SFBs) in India. The findings indicate that SFBs have significantly contributed to financial inclusion by extending banking and credit services to rural households, micro enterprises and underserved populations. For policymakers, the study suggests the need for supportive regulations, stronger governance standards and digital infrastructure to enhance the sustainability of these institutions. For bank management, the study highlights the importance of customer-centric services, cost efficiency, technological adoption and innovative products to remain competitive. The review also implies that stronger SFB performance can promote entrepreneurship, employment generation and local economic development through better access to finance. From an academic perspective, the study identifies future research opportunities in areas such as customer satisfaction, digital banking adoption, comparative performance, ESG practices and post-pandemic resilience. Overall, the study confirms that SFBs can become a strong pillar of inclusive and sustainable banking growth in India.

8. Conclusion

Small Finance Banks (SFBs) have emerged as an important pillar of India's banking system since their introduction with the objective of promoting financial inclusion. The reviewed literature indicates that these institutions have played a significant role in extending formal banking services to low-income households, small farmers, micro enterprises and underserved rural and semi-urban populations. Their customer-focused approach and localized banking model have helped reduce dependence on informal sources of finance. The findings of the study reveal that Small Finance Banks have achieved notable progress in branch expansion, deposit mobilization, lending growth and digital banking adoption. Several SFBs have shown satisfactory financial performance and have contributed positively toward entrepreneurship development, employment generation and support to MSMEs. Their increasing use of mobile banking, UPI services and digital platforms has further strengthened service accessibility and operational efficiency.

However, the literature also highlights certain challenges such as rising operating costs, profitability pressure, asset quality concerns, regulatory burden and growing competition from commercial banks and fintech firms. These issues may affect the long-term sustainability of the sector if not addressed effectively.

Overall, the future potential of Small Finance Banks remains strong due to rising demand for inclusive banking, rural credit and digital financial services. With sound governance, prudent risk management, technological innovation and supportive policies, SFBs can continue to play a transformative role in India's inclusive and sustainable economic development.

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