International Research Journal of Management and Commerce
ISSN: (2348-9766)
Impact Factor 7.098 Volume 12, Issue 02, Feb 2025
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www.aarf.asia, **Email** : editoraarf@gmail.com

THE QUICK COMMERCE PHENOMENON: INDIA'S LEAP TOWARDS INSTANT RETAIL

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Introduction

India’s economic landscape is deeply influenced by its vibrant services sector, which contributes over 55% to the nation’s Gross Domestic Product (GDP) (Ministry of Finance). This dominance reflects the sector’s pivotal role in job creation, technological progress, and overall economic development. Among the various segments within the service sector, e-commerce stands out as a transformative driver of growth, bridging geographical divides and enabling efficiency across industries. E-commerce is central to India's ambition of becoming a developed economy by 2047, as outlined in the *Viksit Bharat* mission. It promotes digital adoption, creates market access, and fosters innovation, with Micro, Small, and Medium Enterprises (MSMEs) playing a pivotal role in this transformation.

MSMEs contribute around 30% to India’s GDP and provide employment to over 110 million people, making them vital for balanced economic growth. However, they often face challenges such as limited market access and scaling difficulties. E-commerce addresses these gaps by leveraging India’s widespread smartphone penetration and over 800 million internet users to connect MSMEs with customers nationwide. It empowers small businesses with tools like digital payments and customer analytics, enhancing their competitiveness (Kumar).

Government initiatives like Digital India strengthen e-commerce’s role in integrating MSMEs into the formal economy, supporting growth and inclusivity. E-commerce is central to India’s economic transformation by 2047. Within this, quick commerce is emerging as a transformative force, meeting consumer demand for speed and convenience with delivery times of 10 to 15 minutes. This shift is redefining retail and logistics, creating new opportunities for businesses and consumers. Companies like Swiggy Instamart, Zepto, and Blinkit are leading this space, while e-commerce giants such as Amazon, Flipkart, and BigBasket are expanding to capture this market. These players are shaping a new era of convenience-driven retail, changing how India shops and consumes.

This paper examines the growth, drivers, and challenges of quick commerce in India, providing a comprehensive analysis of its impact on the retail landscape and the broader economy.

Objectives of the Study

1. To Explore the Growth of Quick Commerce in India.
2. To Understand Market Dynamics.
3. To Assess the Role of Technology.
4. To Evaluate the Impact on Retail and Consumer Behaviour.
5. To Identify Challenges in the Quick Commerce Ecosystem.
6. To Highlight Future Opportunities and Trends.

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Research Methodology:

This study relies on secondary data from credible sources to analyse the quick commerce sector in India. Key data sources include industry reports (RedSeer, Bain & Company), company disclosures (DRHPs of Swiggy and Zomato), government publications, academic literature, and business news articles. The analysis focuses on growth trends, consumer behaviour, technological advancements, challenges, and opportunities, with data cross-verified for accuracy. This approach ensures a comprehensive understanding of the sector while being cost-effective and time efficient.

Market Landscape of Quick Commerce in India:

Quick commerce (q-commerce) has quickly transformed India's retail landscape, offering hyperlocal delivery services that meet the growing demands of urban consumers with unmatched speed and convenience. Deliveries, often within 10 to 15 minutes, have revolutionized traditional retail and logistics, expanding from groceries to a wide range of products like electronics and personal care items.

Several key players lead the market. Blinkit, formerly Grofers, rebranded after its acquisition by Zomato in 2022, rapidly expanding across cities. Zepto, a new entrant, promises 10-minute deliveries through its dark store network. Swiggy Instamart, an extension of Swiggy's food delivery service, has heavily invested in warehouse infrastructure to enhance its offerings. Dunzo, initially a hyperlocal service, has pivoted towards q-commerce, while e-commerce giants like Amazon, Flipkart, and BigBasket have also joined the race, increasing competition (ETtech).

The q-commerce sector in India is growing rapidly, with sales surging by over 280% in just two years, according to a Deloitte-FICCI report. The market is expected to reach USD 40 billion by 2030, driven by urbanisation, rising incomes, and the demand for convenience. While q-commerce is popular in metropolitan areas, it is expanding into tier-2 and tier-3 cities.

Consumer behaviour is a key driver of this growth. The same report shows that 16% of consumers prefer purchasing food and beverages via q-commerce platforms, surpassing the 14% who use traditional e-commerce. This trend is particularly strong among smaller, working households, where q-commerce offers flexibility and speed. With over 800 million internet users in India, the sector is well-positioned to thrive, even capturing a significant share of Kirana store sales, expected to reach nearly 21% by 2024 (Deloitte & FICCI).

Technological and Operational Enablers

The rapid growth of quick commerce (q-commerce) in India is fuelled by a robust combination of technological innovations, efficient operational frameworks, and seamless digital integration. Together, these elements form the backbone of the sector, enabling it to meet the increasing demand for fast and reliable delivery services.

Technology is crucial in optimizing the q-commerce ecosystem. Artificial Intelligence (AI) and Machine Learning (ML) streamline various operations, from demand forecasting to delivery optimization. AI analyzes sales data, seasonal trends, and external factors to predict demand, helping maintain optimal stock levels and avoid overstocking or stockouts. It also powers route optimization, reducing delivery times and fuel costs by calculating the most efficient paths. Additionally, ML enhances inventory management by tracking product

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movements and predicting restocking needs, improving overall operational efficiency and customer experience.

Equally important to q-commerce's success in India is the infrastructure, particularly dark stores. Located in urban areas, these spaces are dedicated to fulfilling online orders, reducing the distance between products and consumers, and enabling deliveries within 10 to 30 minutes. Designed for efficient picking and packing, dark stores focus on high-demand items, with automation improving efficiency and reducing errors and costs. This strategic use of space helps q-commerce companies remain competitive.

The integration of digital payment systems, particularly the Unified Payments Interface (UPI), is another key enabler. With over 600 banks and more than 16 billion transactions recorded in December 2024 (NPCI), UPI has become the preferred payment method, facilitating quick and secure transactions. Its simplicity and accessibility have expanded q-commerce's customer base, promoting financial inclusion and enabling faster order processing and dispatch.

Impact on Retail and Consumer Behaviour

The advent of quick commerce (q-commerce) has significantly transformed India's retail landscape, introducing a paradigm shift in consumer expectations and purchasing habits. Traditional e-commerce platforms typically offer delivery times ranging from one to several days, while offline retail provides immediate product access but requires physical store visits. Q-commerce bridges these models by ensuring ultra-fast deliveries, often within 10 to 30 minutes, combining the immediacy of offline shopping with the convenience of online transactions. This rapid delivery model has intensified competition, compelling traditional retailers and e-commerce platforms to re-evaluate and enhance their logistics and customer service strategies to meet the escalating demand for speed and convenience.

Q-commerce has elevated consumer expectations, fostering a preference for instant gratification. The promise of rapid delivery has led to increased impulsive buying, with consumers more likely to order items as needs arise, rather than planning purchases in advance. This shift is particularly evident among urban youth, who prioritize convenience and speed. There is a notable shift in consumer spending from necessities to indulgences. A recent report from Mintel Research, indicates that younger generations are allocating more of their disposable income towards discretionary items and experiences, reflecting a broader trend of indulgence over essential spending (Mintel Research).

The COVID-19 pandemic has also accelerated the adoption of q-commerce, as consumers became more reliant on online platforms for their daily needs. This behavioural shift has persisted, further boosting the quick commerce market. In summary, q-commerce is reshaping the Indian retail sector by setting new standards for delivery speed and convenience, influencing consumer behaviour towards more spontaneous and indulgent purchasing patterns, and prompting traditional retailers to adapt to the evolving market dynamics.

Challenges in the Indian Quick Commerce Sector

The rapid expansion of India's quick commerce (q-commerce) sector, characterized by ultra-fast deliveries, has introduced a range of challenges that stakeholders must navigate to ensure sustainable growth.

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Operational Challenges

One of the primary operational hurdles is the high logistics cost associated with maintaining expedited delivery services. India's logistics expenses are notably high, constituting approximately 14-16% of the Gross Domestic Product (GDP), in contrast to 8% in China and 12% in the United States and Europe (Strategic Investment Research Unit (SIRU)). This elevated cost structure poses a significant barrier to the scalability and profitability of q-commerce enterprises. The sector faces a shortage of skilled workforce, which is essential for efficient operations. The lack of proper road infrastructure and limited land availability for warehousing further exacerbate these challenges, leading to inefficiencies in the supply chain.

Environmental Concerns

The emphasis on rapid deliveries in q-commerce has led to increased packaging waste and a higher carbon footprint. The logistics industry is responsible for around 11% of global greenhouse gas emissions, highlighting the environmental impact of expedited delivery services. This situation underscores the need for sustainable practices within the sector to mitigate its ecological impact.

Regulatory Hurdles

Q-commerce companies in India are encountering regulatory scrutiny concerning their operational models and compliance with Foreign Direct Investment (FDI) policies. The government has raised concerns about potential violations of FDI norms and the impact of rapid expansion on traditional retail structures. For instance, FMCG distributors have urged the government to investigate the operational models of q-commerce platforms to ensure compliance with FDI regulations and to protect the interests of small retailers and traditional distributors.

Future Trends and Opportunities in India's Quick Commerce Sector

India's quick commerce (q-commerce) sector is poised for significant growth, driven by strategic expansions, technological innovations, and evolving business models aimed at achieving profitability and sustainable development.

Expansion into Tier-2 and Tier-3 Cities

The q-commerce industry is extending its reach beyond metropolitan areas into tier-2 and tier-3 cities. This expansion is fuelled by increasing consumer demand for rapid delivery services in smaller urban centres. A report by Bernstein anticipates a 75% year-on-year growth in the sector for 2025, with a substantial portion of this growth originating from these smaller cities. The report highlights that the top 40-50 cities in India represent a $250 billion grocery market, indicating significant potential for q-commerce platforms to capture market share by offering proximity, competitive pricing, and a diverse product selection (Sriram and Pandya).

Innovations in Delivery and Automation

Industry forecasts suggest that by 2027, drones could handle approximately 30% of all quick commerce deliveries in major Indian cities (Singh). This shift is expected to enhance delivery efficiency and reduce operational costs, particularly in densely populated urban areas. The adoption of automation in warehouses, including the use of robotics and AI-driven inventory management systems, is anticipated to streamline operations, reduce human

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error, and expedite order fulfilment. This technological integration is crucial for meeting the high-speed demands of q-commerce consumers.

Pathways to Profitability and Sustainable Growth

Achieving profitability for q-commerce companies requires several strategies. Diversifying product offerings into higher-margin categories like electronics and fashion can increase profit margins and average order values. Operational efficiency can be improved through investments in automated warehouses and advanced logistics, reducing fulfillment costs. Strategic partnerships with local retailers can optimize supply chains, reduce procurement costs, and expand product ranges, aiding market expansion. Additionally, adopting sustainable practices such as eco-friendly packaging, optimized delivery routes, and green technologies can address environmental concerns and appeal to eco-conscious consumers, contributing to long-term growth.

Current and Upcoming players:

India's quick commerce (q-commerce) sector has both established players and new entrants across various product categories, including groceries, cosmetics, electronics, and pharmaceuticals.

Established Players:

- **Blinkit (formerly Grofers):** Rebranded to emphasize rapid deliveries, Blinkit was acquired by Zomato in 2022. As of June 2024, it holds approximately 40-46% market share in India's q-commerce sector, operating over 400 dark stores across 30 cities.
- **Zepto:** Founded in 2021, Zepto has rapidly gained prominence by offering 10-minute grocery deliveries in major cities like Delhi, Gurgaon, Bangalore, and Mumbai. The company has expanded its services to include categories beyond groceries, such as personal care and household essentials.
- **Swiggy Instamart:** An extension of the food delivery platform Swiggy, Instamart delivers groceries and daily essentials within 15-30 minutes, leveraging Swiggy's established logistics network. Swiggy has been expanding its warehouse infrastructure to support this segment (Manikandan and Suresh).
- **Dunzo:** Initially a hyperlocal delivery service, Dunzo has ventured into q-commerce by delivering a variety of products swiftly within city limits. The company has faced financial challenges, leading to layoffs and restructuring efforts.

New Entrants and Diversifying Giants:

- **Amazon India:** In December 2024, Amazon began trials for 15-minute grocery deliveries, entering the q-commerce race to compete with existing local companies like Blinkit and Swiggy's Instamart (Reuters).
- **Flipkart Quick:** Walmart-backed Flipkart has introduced 'Flipkart Quick,' aiming to deliver a range of products, including groceries and electronics, within 90 minutes. The service is currently available in select cities, with plans for expansion.
- **Reliance JioMart Express:** Mukesh Ambani's Reliance is piloting quick delivery services through JioMart Express, focusing on delivering groceries and daily essentials within a short timeframe. The company is leveraging its extensive retail network to enhance service efficiency.

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- **PharmEasy:** A leading online pharmacy, PharmEasy has initiated rapid delivery services for medicines and healthcare products, aiming to fulfil orders within 30 minutes in select urban areas.
- **Nykaa:** An e-commerce platform specializing in beauty and wellness products, Nykaa is exploring quick delivery options to enhance customer experience, particularly in metropolitan regions.

Emerging Startups:

- **BB Now:** BigBasket's quick commerce arm, BB Now, offers 15–30-minute deliveries for groceries and daily essentials, operating in major cities with plans for further expansion.
- **FreshtoHome:** Specializing in delivering fresh seafood and meat, FreshtoHome has introduced rapid delivery services in select cities, ensuring product freshness and quality.
- **Licious:** A direct-to-consumer meat and seafood brand, Licious is piloting quick delivery services to meet the growing demand for fresh products delivered swiftly.

The q-commerce landscape in India is becoming increasingly competitive, with both established companies and new entrants striving to capture market share by offering rapid delivery services across diverse product categories. This dynamic environment is reshaping consumer expectations and driving innovation in the retail sector.

Recommendations for Advancing India's Q-Commerce Sector

The rapid growth of India's quick commerce (q-commerce) sector has created significant opportunities, but it also presents challenges. To ensure sustainable growth, the following strategies are recommended:

1. Addressing Operational Challenges and Enhancing Sustainability

Q-commerce companies must focus on optimizing logistics through the use of Artificial Intelligence (AI) and Machine Learning (ML). AI can enhance demand forecasting, optimize delivery routes, and improve inventory management, reducing operational costs. In addition, adopting eco-friendly packaging materials and optimizing delivery routes to minimize carbon emissions will help address environmental concerns, meeting consumer expectations for sustainability.

2. Technological Innovations for Cost-Efficiency and Scalability

Automation in warehouses will improve order fulfillment efficiency, reduce errors, and lower operational costs. AI-driven technologies can also help predict demand more accurately, ensuring that companies stock the right products at the right time, thus reducing storage costs. Furthermore, exploring drone deliveries could reduce delivery times and operational costs, particularly in dense urban areas.

3. Collaboration Between Q-Commerce Players and Local Businesses

Partnerships with local businesses, including small retailers, pharmacies, and local food suppliers, will help diversify product offerings and improve supply chain efficiency. These collaborations will also facilitate quicker market penetration in new regions, providing local businesses access to larger markets while strengthening q-commerce platforms' reach.

4. Navigating Regulatory Frameworks

Q-commerce companies should ensure compliance with labor laws and Foreign Direct Investment (FDI) regulations, staying ahead of potential legal challenges. Proactive

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engagement with policymakers will help shape favorable regulations, ensuring that q-commerce continues to thrive in a structured environment.

5. Achieving Profitability and Long-Term Growth

To achieve profitability, q-commerce platforms should diversify into higher-margin product categories like electronics and fashion. Optimizing operational models, automating processes, and enhancing supply chain management will improve cost-efficiency and scalability, helping businesses achieve sustainable long-term growth.

Conclusion:

In conclusion, the rapid rise of quick commerce (q-commerce) in India has significantly reshaped the retail landscape, driven by a growing demand for speed, convenience, and efficiency. The sector is transforming the way consumers shop, with leading players like Blinkit, Zepto, Swiggy Instamart, and others redefining traditional retail and e-commerce models. Technological advancements, including AI, machine learning, and automation, are central to overcoming operational challenges and enabling rapid scaling. However, to ensure sustainable growth, q-commerce companies must address key challenges such as high logistics costs, environmental concerns, and regulatory hurdles. By adopting sustainable practices, enhancing operational efficiency, and fostering collaborations with local businesses, the sector can continue its growth trajectory and contribute significantly to India’s vision of becoming a developed economy by 2047.

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