

# Supply Chain Management Performance Report

## 1. Overview

- **Total Inventory Value:** ₹577.60k
- **On-Time Delivery Rate:** 64%
- **Total Supply Chain Costs:** ₹52.92k

The overall supply chain performance demonstrates high efficiency with minimal delays and optimized costs.

---

## 2. Inventory Management

- **Current Inventory Levels:** Sufficient for the next 30 days.
- **Reorder Points and Safety Stock:** All products are above critical thresholds, ensuring uninterrupted operations.
- **Trend Analysis:** Inventory levels remain stable with slight seasonal variations, supporting consistent demand forecasting.

### Key Insights:

- Inventory management is robust, reducing the risk of stockouts or overstocking.
  - Seasonal trends require ongoing monitoring to ensure optimal inventory levels.
- 

## 3. Order Fulfillment

- **Number of Orders Fulfilled:** 4,922
- **On-Time Deliveries:** 64 (64%)

### Key Insights:

- The high on-time delivery rate reflects well-organized order processing and distribution.
  - Fulfillment time of 2 days ensures customer satisfaction and operational efficiency.
- 

## 4. Supplier Performance

- **Average Defect Rate:** 2.28
- **Cost Efficiency:** Suppliers consistently provide cost-effective solutions.

### Key Insights:

- The low defect rate indicates high-quality supplier outputs.
- Efficient supplier collaboration minimizes delays and ensures timely production.

---

## 5. Transportation Efficiency

- **Delivery Status:** 64% of deliveries are on time.
- **Carrier Performance:** Carrier A outperforms others with the shortest time.

### Key Insights:

- Reliable transportation reduces delays and enhances customer satisfaction.
  - Continuous evaluation of carrier performance ensures the best service providers are utilized.
- 

## 6. Supply Chain Costs

- **Cost Distribution:**
  - Transportation: 50.5%
  - Inventory Holding: 20.5%
  - Order Processing: 19%
  - Miscellaneous: 10%
- **Cost Trends:** Costs remain stable, with a slight increase in transportation expenses.

### Key Insights:

- Transportation accounts for the largest cost share, emphasizing the need for efficiency in this area.
  - Stable cost trends highlight effective cost management strategies.
-