

# Supply Chain Management



Power BI

Project-2

**MART**  
ATLIQ



# Supply Chain Management



## Problem Scenario:



Surat

Ahmedabad

Vadodara



2 years



Not Delivered **ON TIME**



Not Delivered **IN FULL**





Meeting....





## Key Concepts

- ✓ ON TIME [OT] Delivery
- ✓ IN FULL [IF] Delivery
- ✓ ON TIME IN FULL [OTIF] Delivery
- ✓ VOLUME FILL RATE [VFR]
- ✓ LINE FILL RATE [LFR]

## 1<sup>ST</sup> ON TIME [OT]:

This metrics measures the percentage of orders delivered on or before the promised date.

EX:



30 Minutes



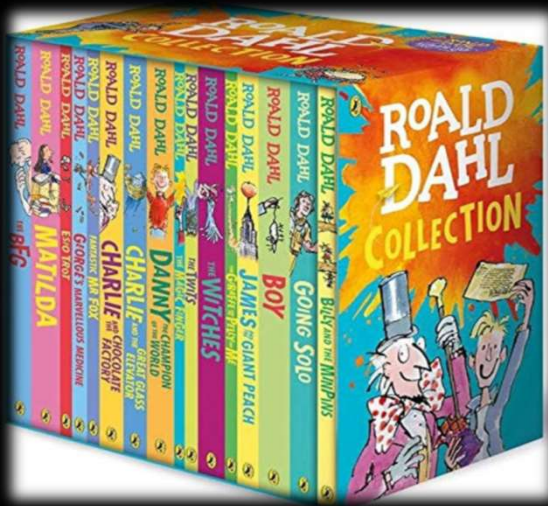
ON TIME Delivery



## 2nd IN FULL [IF]:

This Metrics Measures the percentage of orders delivered complete without any shortage.

EX:



Delivered without any missing books.



IN FULL Delivery

### 3rd ON TIME IN FULL [OTIF] :

Combines both OT and IF metrics, that means measuring orders delivered both on time and in full.

EX:



Delivered With in time  
and without missing  
anything



OTIF Delivery

## 4<sup>th</sup> VOLUME Fill Rate :

IT Measures the percentage of ordered quantity that is delivered compared to what was ordered

EX:

100 UNITS PRODUCTS



90 UNITS PRODUCTS



Volume Fill Rate = 90%

## 5<sup>th</sup> LINE Fill Rate :

IT Measures the percentage of order lines (individual items or SKUs) that are delivered complete.

EX:

Ordered 5 Different Items



Delivered Without any Missing



LINE Fill Rate = 100%





HOME

Actuals vs Targets

Customer Metrics

Product Metrics

Insights

# MART ATLIQ



## Supply Chain Management

### Report Contains?

insights to solve supply chain issue by ANALYSING important performance metrics.

Designed By  
Rahul







HOME

Actuals vs Targets

Customer Metrics

Product Metrics

Insights

Month

All

category

All

## Order Metrics

32K

Total Orders

19K

Ontime Orders

17K

Infull Orders

9K

OTIF Orders

65.96%

LFR %

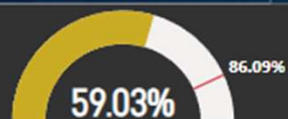
96.59%

VFR %



### OT% vs Target

OT%

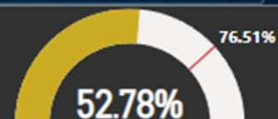


OT Target  
86.09%

Deviation  
▼-31.43%

### IF% vs Target

IF%

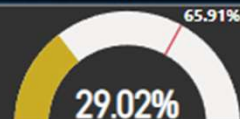


IF Target  
76.51%

Deviation  
▼-31.02%

### OTIF% vs Target

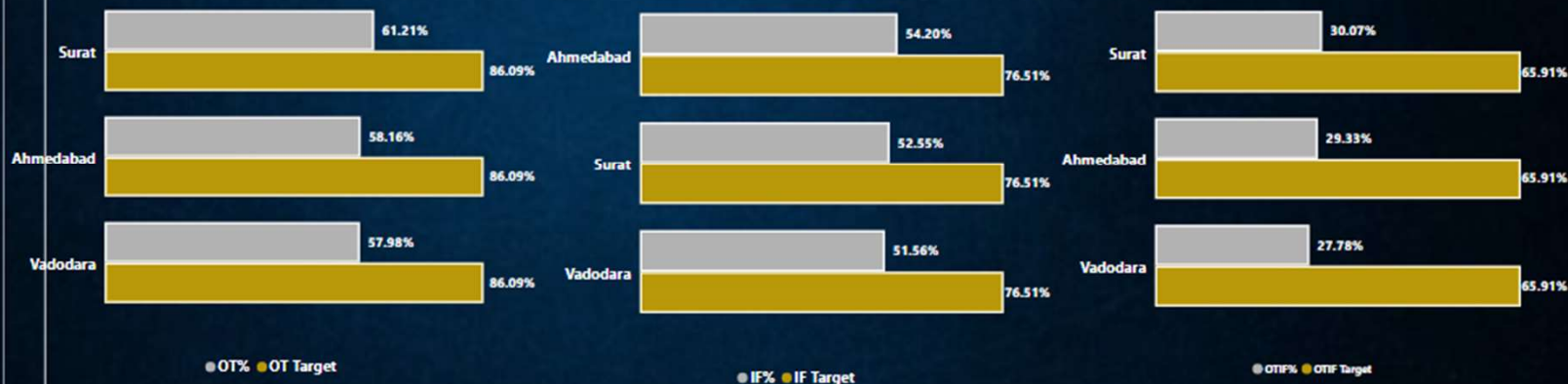
OTIF%



OTIF Target  
65.91%

Deviation  
▼-55.97%

## City Wise Comparison



OT : On Time

IF : In Full

OTIF : On Time In Full

LFR : Line Fill Rate

VFR : Volume Fill Rate

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Month

All

customer\_name

All



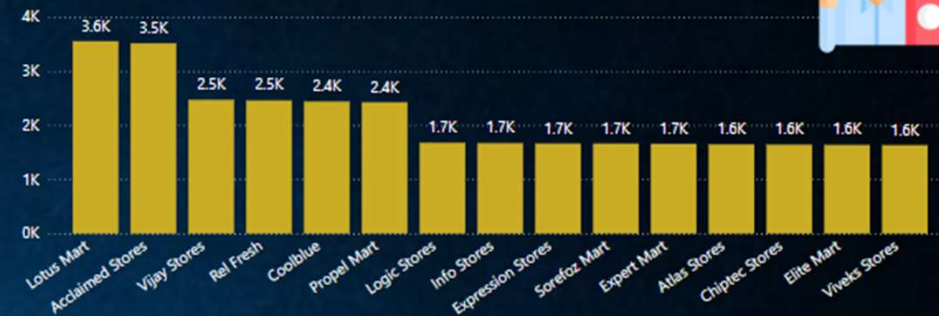
Total Order Qty

13427K

Total Delivered Qty

12969K

customer_name	OT%	IF%	OTIF%	LFR %	VFR %
Acclaimed Stores	29.43%	52.36%	15.47%	58.93%	95.85%
Atlas Stores	71.81%	59.78%	39.55%	75.48%	97.58%
Chiptec Stores	71.62%	60.35%	38.73%	75.61%	97.58%
Coolblue	29.13%	44.73%	13.75%	51.53%	95.08%
Elite Mart	72.45%	37.94%	24.37%	52.74%	95.29%
Expert Mart	72.54%	59.81%	39.11%	75.48%	97.44%
Expression Stores	69.92%	60.83%	38.39%	75.28%	97.54%
Info Stores	70.94%	41.16%	25.52%	53.05%	95.24%
Logic Stores	70.82%	60.14%	38.78%	74.39%	97.45%
Lotus Mart	28.11%	53.35%	16.34%	60.08%	96.01%
Propel Mart	73.64%	59.74%	40.92%	75.62%	97.70%
Rel Fresh	72.32%	58.69%	38.18%	74.54%	97.43%
Sorefoz Mart	72.67%	39.19%	25.89%	53.40%	95.33%
Vijay Stores	72.45%	44.98%	28.28%	59.23%	95.87%
Viveks Stores	70.61%	60.07%	39.44%	75.06%	97.57%
Total	59.03%	52.78%	29.02%	65.96%	96.59%



OT%

IF%

OTIF%

LFR

VFR



OT : On Time

IF : In Full

OTIF : On Time In Full

LFR : Line Fill Rate

VFR : Volume Fill Rate





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Actuals vs Targets

Customer Metrics

Product Metrics

Insights

product\_name  
All

category  
All

product_name	LFR %	LFR % by Month	VFR %	VFR % by Month
AM Biscuits 250	65.16%		96.58%	
AM Biscuits 500	66.10%		96.49%	
AM Biscuits 750	68.05%		96.85%	
AM Butter 100	66.66%		96.59%	
AM Butter 250	63.52%		96.36%	
AM Butter 500	65.19%		96.46%	
AM Curd 100	66.73%		96.62%	
AM Curd 250	67.05%		96.72%	
AM Curd 50	65.55%		96.62%	
AM Ghee 100	65.75%		96.59%	
AM Ghee 150	66.72%		96.69%	
AM Ghee 250	65.25%		96.53%	
AM Milk 100	65.55%		96.54%	

Total Orders By Product Category



No of Orders By City and Category



Delivered Quantity

12969K

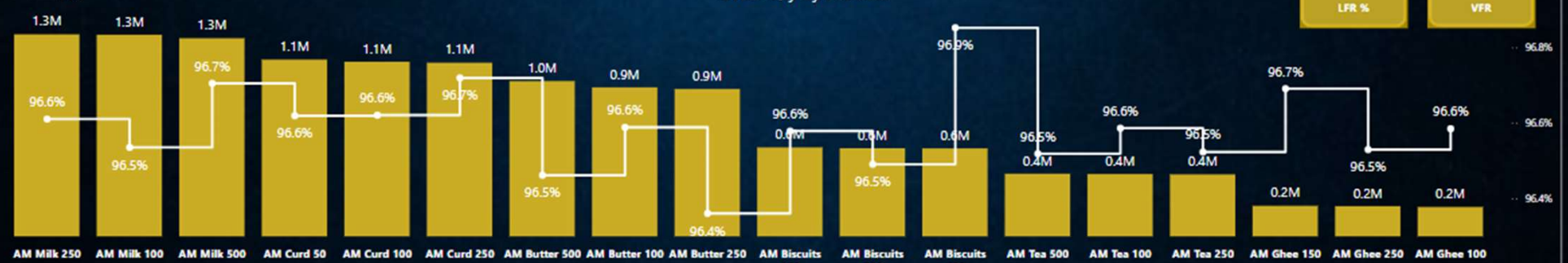
Undelivered Quantity

458K



Sum of order\_qty VFR %

Order Qty By Product



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## KEY INSIGHTS

### Actuals vs Targets

#### On-Time Deliveries (OT)

**Current Performance :** 59.03% of deliveries were made on time.

**Target Comparison :** This is 31.43% below the target of 86.09%.

**Trend Analysis :** There has been a [negative] trend in on-time deliveries over the past [months].

#### In-Full Deliveries (IF)

**Current Performance :** 52.78% of deliveries were made in full.

**Target Comparison :** This is 31.02% below the target of 76.51%.

**Trend Analysis :** The in-full delivery rate has [decreased] by 31.02% over the last [months].

#### On-Time In-Full (OTIF)

**Current Performance :** The OTIF percentage stands at 29.02%.

**Target Comparison :** This is 55.97% below the target of 65.91%.

**Trend Analysis :** There has been a [inconsistent] performance in achieving OTIF targets.



### Customer Metrics

#### Top Customers

**Top Performing Customers :** Propel Mart, Atlas Stores, and VIVEKS Stores have the highest OTIF percentages.

**Highest Orders:** Lotus Mart , Acclaimed Stores have highest no of orders.

### Product Metrics

#### Top Customers

**Top Selling Products :** AM Milk 250 ,AM Milk 100 ,AM Milk 500 are Top Selling products.

**Bottom Selling Products :** AM Tea 100 ,AM Tea 250 ,AM Ghee 250 are Bottom selling products.

**Top Category By Product :** Dairy Products are the Highest Sold Products with Almost 59.5% Share in Major cities.

My Special Thanks :

## MENTORS



DHAVEL PATEL



HEMANAND VADIVEL





Thank You 🤪