

# Optimizing Last-Mile Delivery: Planning for Cost Reduction

Domain &amp; Process Logistics &gt;&gt;&gt; Last-mile

Tool Stack Used Excel + Tableau

## PROBLEM

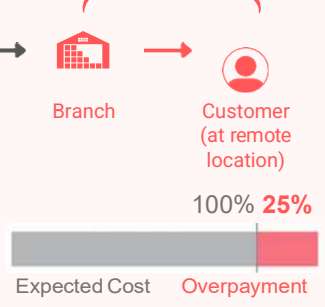
A logistics company's last mile process became inefficient. The **cost of delivering** package to remote areas **exceeded expected amount by 25%**.



Fig. A typical logistic process

### PROBLEM AREA

Last-mile ODA\*\*\* delivery cost became **very high**



### Implication

- Overpayment to partners led to a **decrease in profitability** of the business.

### Objectives

- Find why the cost has become high and what was its impact on the payouts of the partners.
- Calculate payouts to be given to the partners for making deliveries in the current month.
- Improve the current process to reduce the cost even further.

## APPROACH

### Steps

Understood the process of delivering consignments to ODA areas

Checked if partners followed the process established for making deliveries in ODA areas

Calculated current payouts to be made to the partners

Analyzed the impact of process violation on the payouts to the partners

Reduced the cost further by making improvements to the current process

### Findings & Impact

On any given day, a last-mile delivery partner can **make only 2 trips**.

In **~95% of clusters**, partners are **violating** the process

The report was needed by finance team for **releasing payouts** to the partners

Payouts to partners was **20% more** than expected. **That was ₹28 lacs!**

Cost could be further **reduced by ~27%** (₹28 lacs)

