Supply Chain Network Optimization – Robosilicon

Business Problem Statement:

The company needs to evaluate and compare different logistic suppliers to find the most suitable ones for its operation based on their reliability, cost- effectiveness and quality of service in order to minimise the transportation cost while maintaining high levels of service quality and delivery reliability.

Objectives : Minimize the transportation cost

Decision Variables **:** Number of units of sand to transport from warehouse to destination.

**Constraints :**

1. Total units supplied from each warehouse = Total units available at each warehouse
2. Total units required at each destination = Total units available at each destination
3. Number of units supplied from warehouse to destination ≥ 0 .
4. Some limitation on availing the Transport to particular parties.

Regarding success criteria we have not promised ant particular % decrease of Transportation cost. Moreover In this project we have not used any Machine learning Model also.We used only Pulp Library .























