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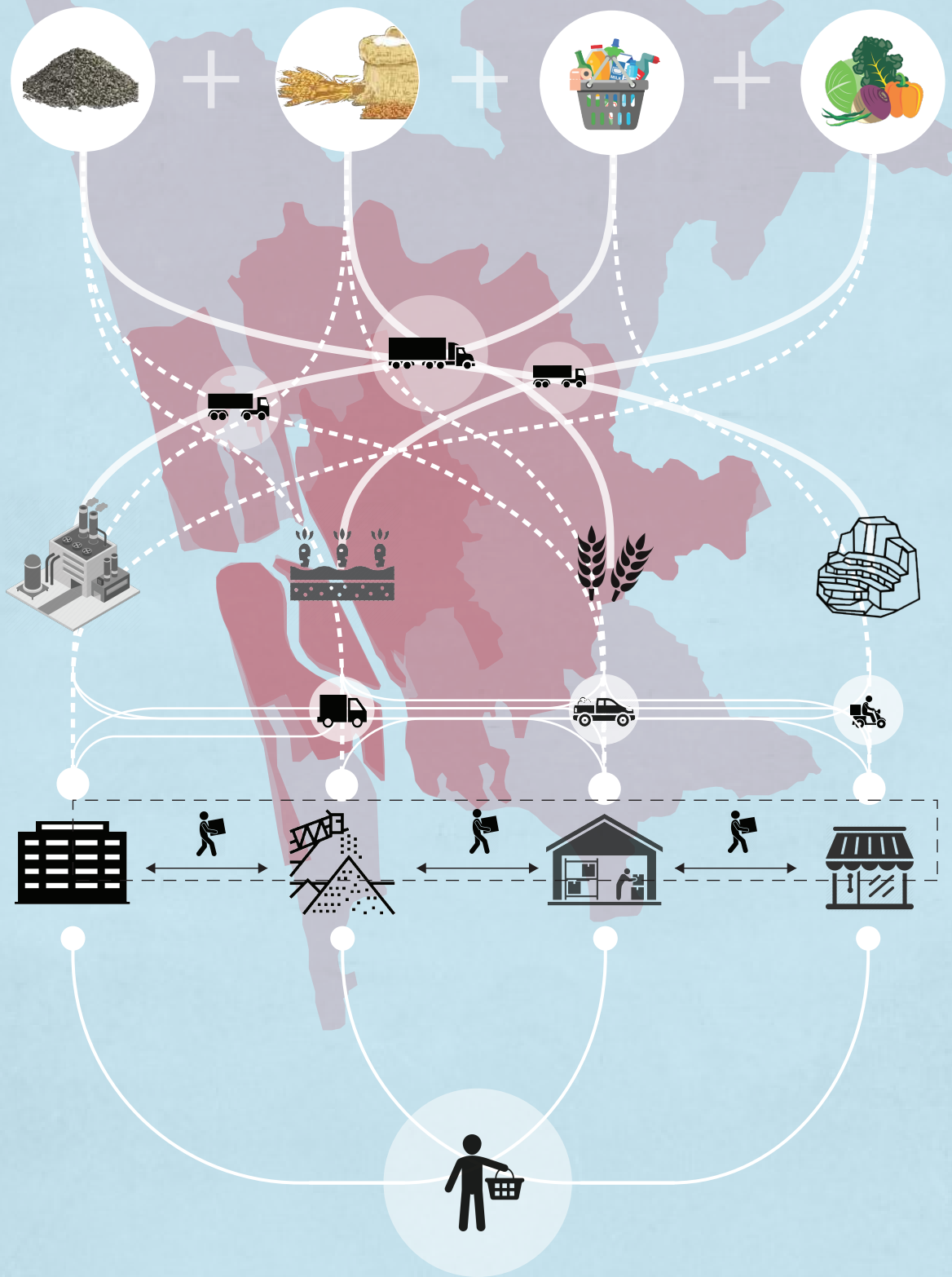


Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety



based on a decision of the German Bundestag

MAPPING SUPPLY CHAINS



KOCHI

Title- Mapping Supply Chains, Kochi

Publisher- ICLEI – Local Governments for Sustainability, South Asia.

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About the document- This document is a deliverable of the “EcoLogistics: Low Carbon Freight for Sustainable Cities” project. It includes illustrations a description of the supply chain of priority sectors that were identified during discussions with various stakeholders. The mapping is an illustrative adaptation of technical findings of the EcoLogistics baseline report for Kochi. It includes freight items like building materials, food grains and vegetables, Maveli (grains, pulses and spices) and Non-Maveli (FMCG) products. The type of freight vehicles that are used to transport freight are also illustrated.

Year of publishing- 2022

About the EcoLogistics project- Supported by the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) through the International Climate Initiative (IKI), ICLEI’s EcoLogistics project aims to increase the capacity of governmental and non-governmental actors in building strategies and policies to promote low-carbon and sustainable urban freight in Argentina, Colombia and India, involving nine cities and regions:

- Argentina: Córdoba, Rosario, Santa Fe de la Vera Cruz (Santa Fe)
- Colombia: Capital District of Bogotá, Metropolitan Area of the Aburrá Valley (AMVA), Manizales
- India: Kochi, Shimla, Panaji

For more information, please visit: sustainablemobility.iclei.org/ecologistics

About ICLEI - Local Governments for Sustainability

ICLEI – Local Governments for Sustainability is a global network of more than 2500 local and regional governments committed to sustainable urban development. Active in 125+ countries, we influence sustainability policy and drive local action for low emission, nature-based, equitable, resilient and circular development.

Acknowledgement

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Disclaimer

The information in this document is based on the primary and secondary data collection and interaction with various stakeholders in Kochi under ‘EcoLogistics – Low Carbon Freight for Sustainable Cities’ Project. While every effort has been made to ensure the correctness of data/ information used in this report, neither the authors nor ICLEI South Asia accept any legal liability for the accuracy or inferences drawn from the material contained therein or for any consequences arising from the use of this material.

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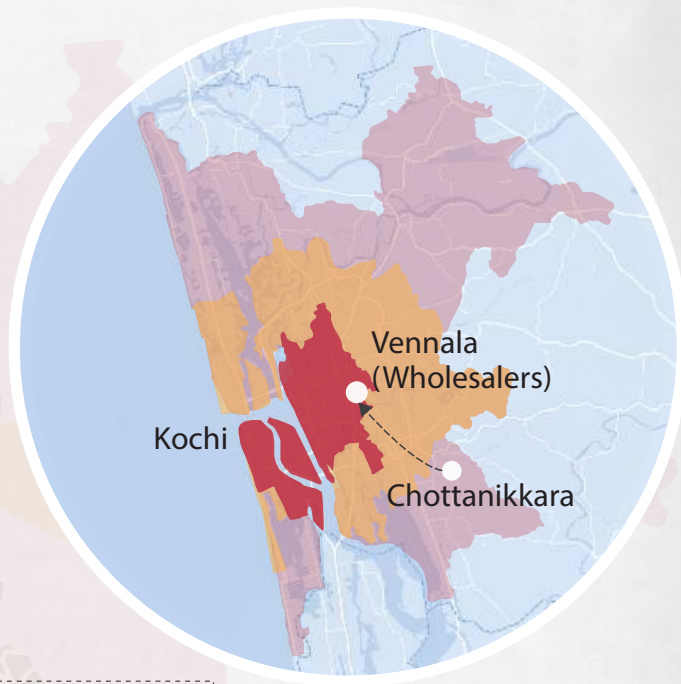
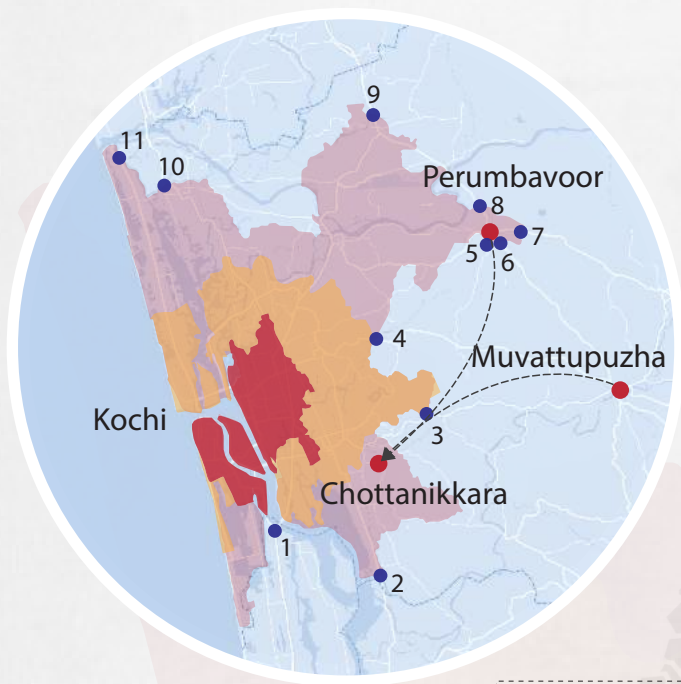
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EcoLogistics

Low carbon freight for sustainable cities



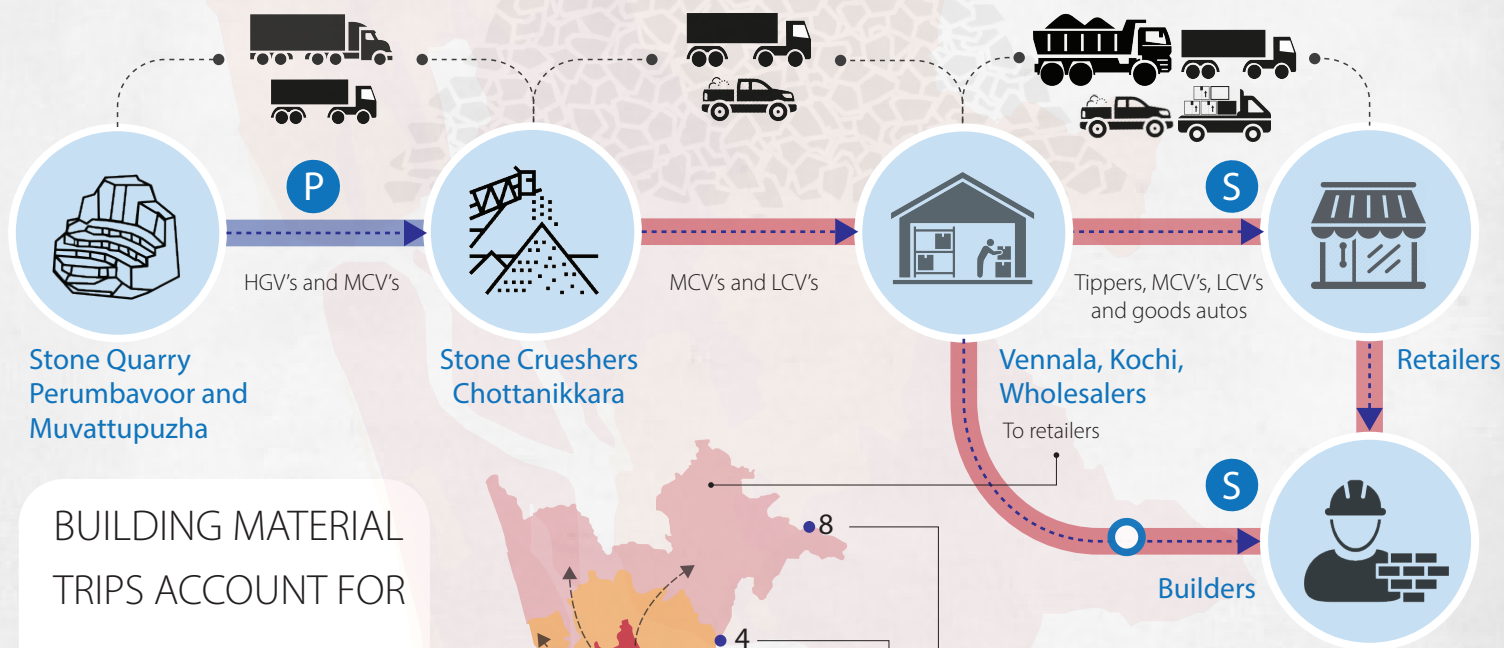
BUILDING MATERIAL (STONE)



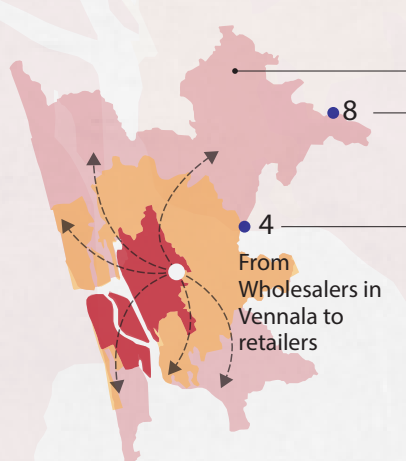
From stone quarries at Perumbavoor and Muvattupuzha to stone crushers at Chottanikkara, Kochi

- Kochi Municipal Corporation Area
- Kochi City Region
- Greater Cochin Development Area

From stone crushers at Chottanikkara to wholesalers in Vennala, Kochi



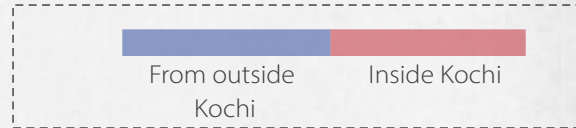
BUILDING MATERIAL TRIPS ACCOUNT FOR
14%
OF THE TOTAL TRIPS



16% OF THE BUILDING MATERIALS ENTER FROM CORDON NO. 8

21% OF THE BUILDING MATERIALS ARE REGISTERED AT CORDON NO. 4

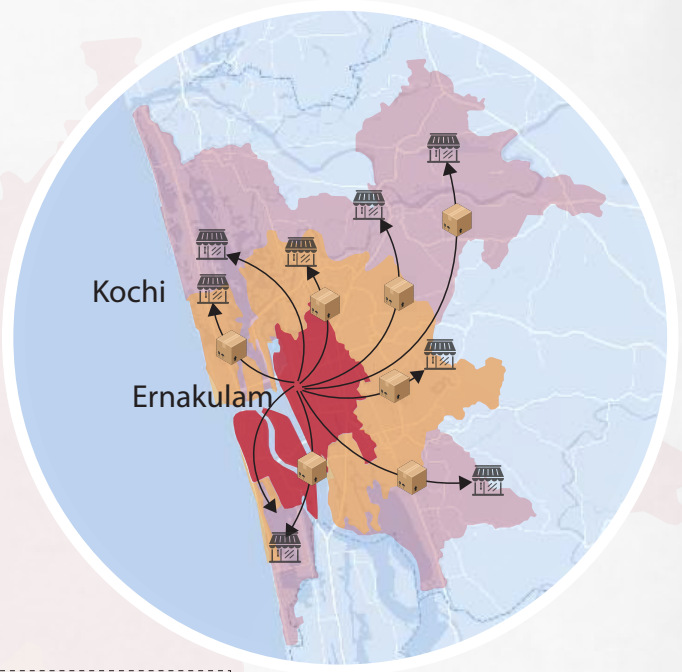
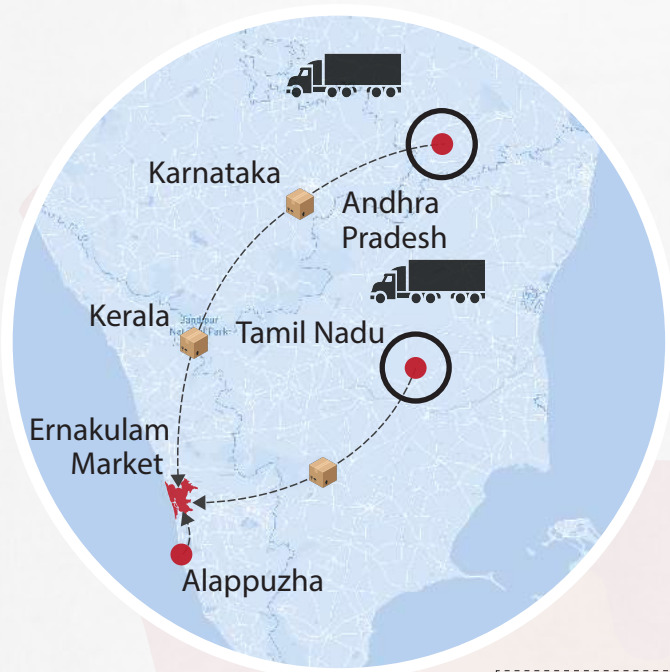
In the building material supply chain, the raw materials are acquired from rock quarries in Perumbavoor and Muvattupuzha. The goods are then transported by roads to the crusher units at Chottanikkara. The processed material is then supplied to the wholesaler, in Vennala and from there they are supplied to the retailers. Many times builders directly buy stones from wholesalers and crusher units.



P Primary Linkage **S** Secondary Linkage

HCVs- Heavy Commercial Vehicles, MGVs- Medium Commercial Vehicle, LCVs- Light Commercial Vehicles

FOOD GRAINS, & VEGETABLES



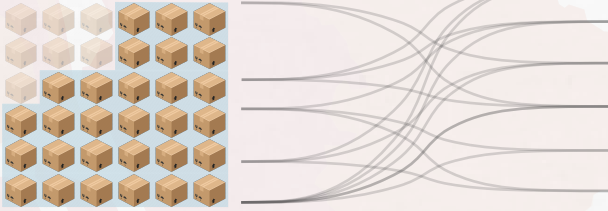
Food grains and vegetables supplied to Ernakulam Market from Andhra Pradesh, Tamil Nadu and Alappuzha, Kerala. Some state based farms in Alappuzha also supply fruits and vegetables to the market.

- Kochi Municipal Corporation Area
- Kochi City Region
- Greater Cochin Development Area
- Cordon points

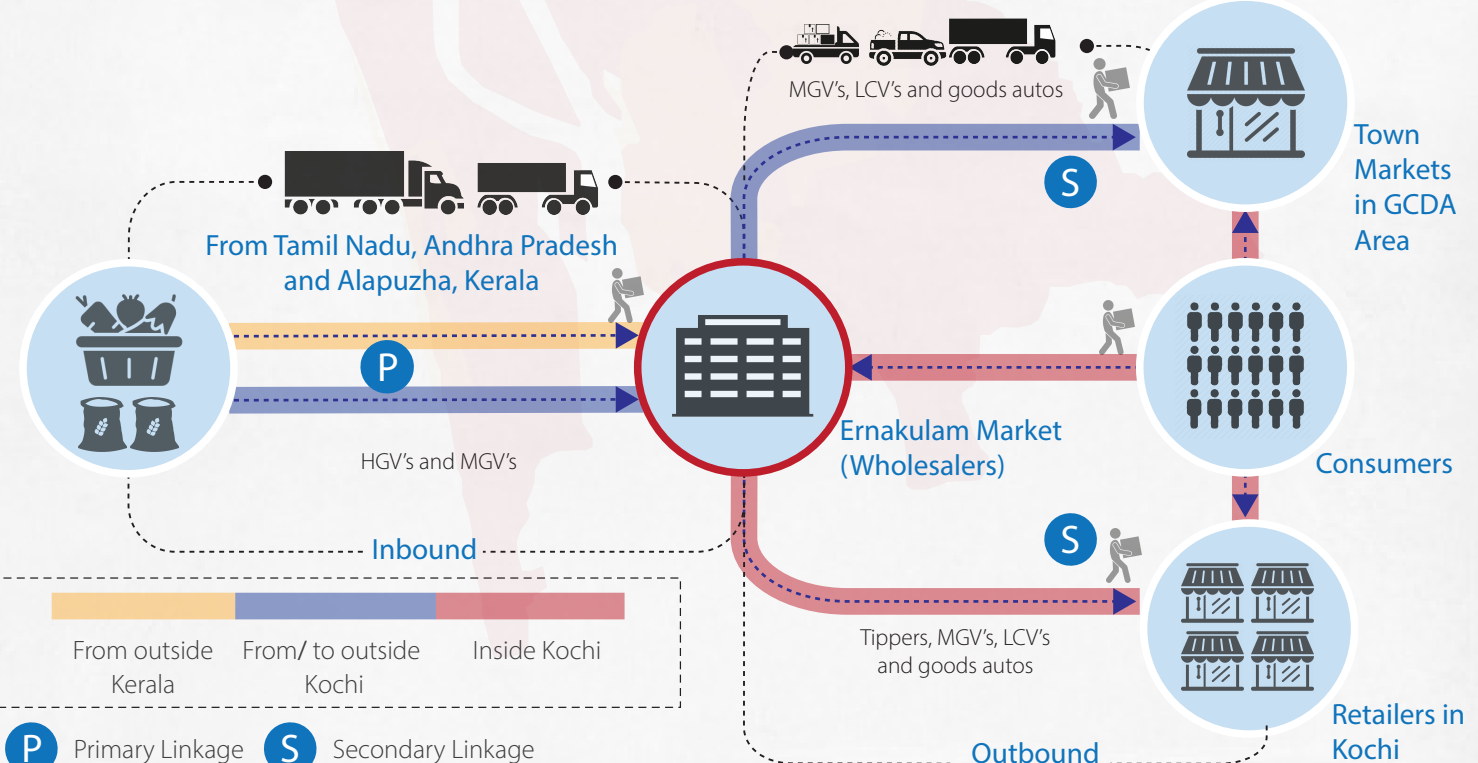
Goods transported from Ernakulam Market to town markets in GCDA Area and retail vendors in Kochi.



Commodities handled in Ernakulam Market

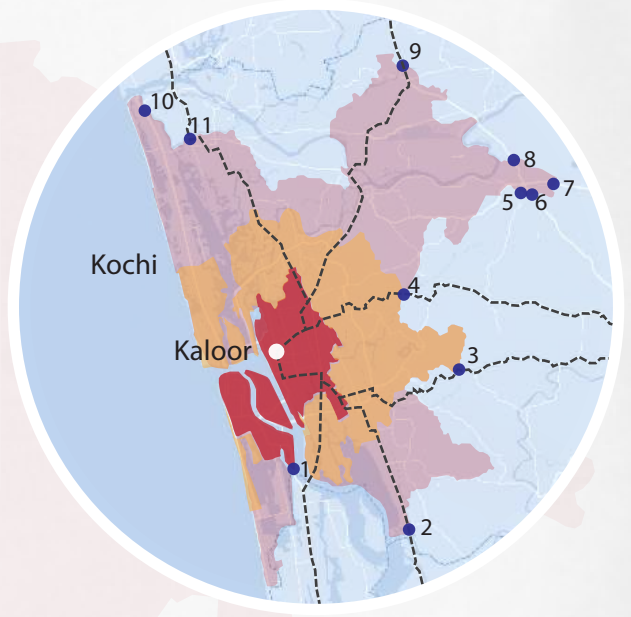


VEGETABLES, FRUITS, EGGS, FISH CONSTITUTE 75 %
FOOD GRAINS CONSTITUTE 5%

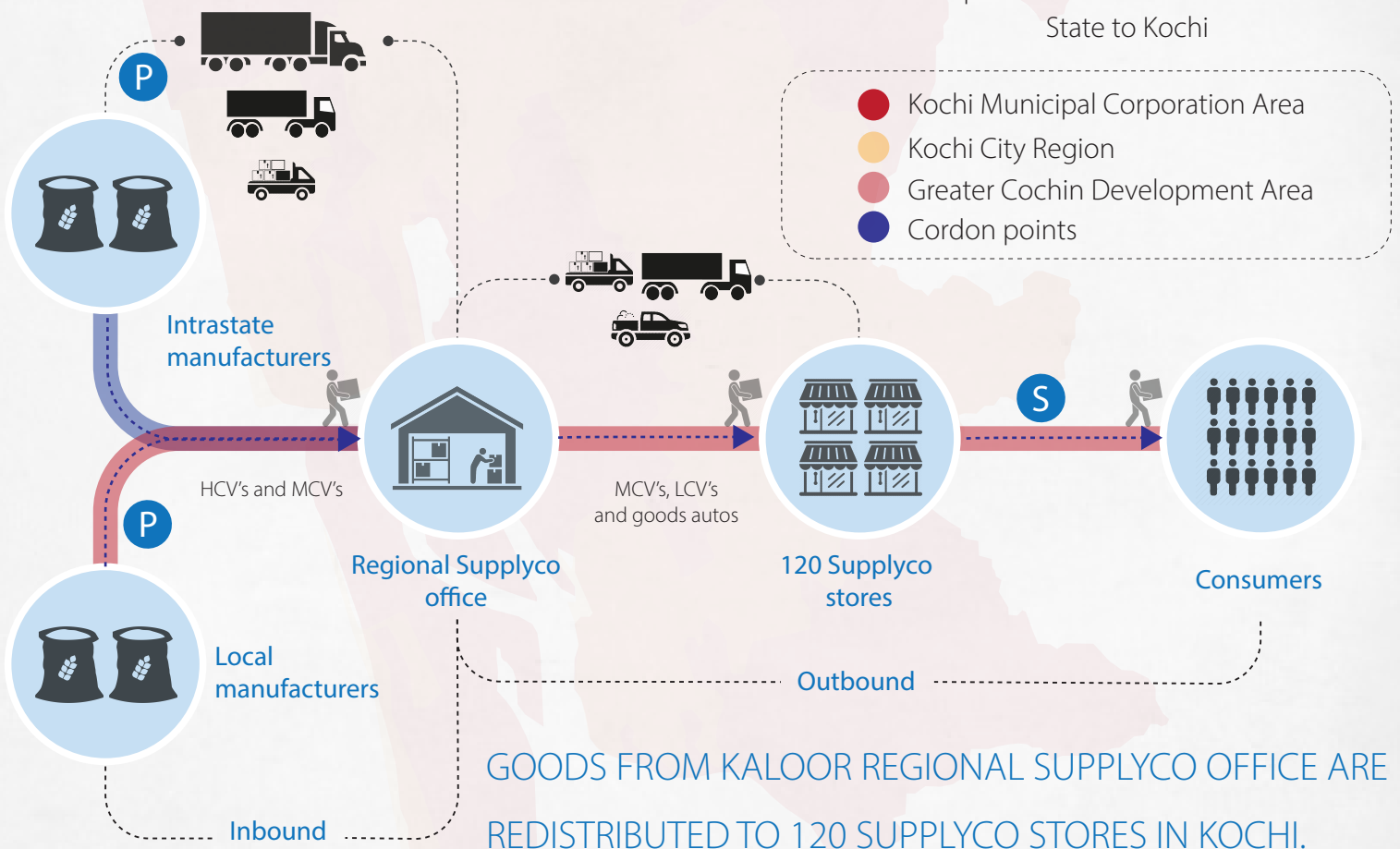


P Primary Linkage **S** Secondary Linkage
HCVs- Heavy Commercial Vehicles, MGVs- Medium Commercial Vehicle, LCVs- Light Commercial Vehicles

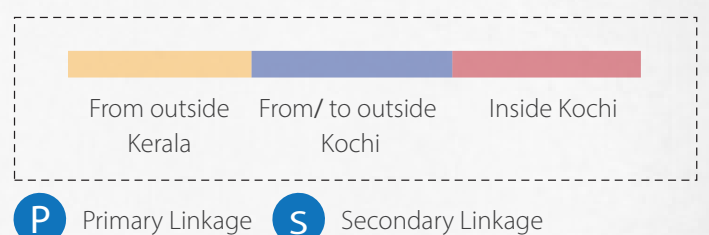
MAVELI PRODUCTS/GOODS ARE TRANSPORTED FROM VARIOUS LOCAL AND INTRASTATE MANUFACTURES IN KERALA TO KALOOR (REGIONAL SUPPLY CO OFFICE) IN KOCHI (DETAILED MAP WITH CORDON POINTS AND SPECIFIC ROUTES)



Maveli products come from all over Kerala State to Kochi

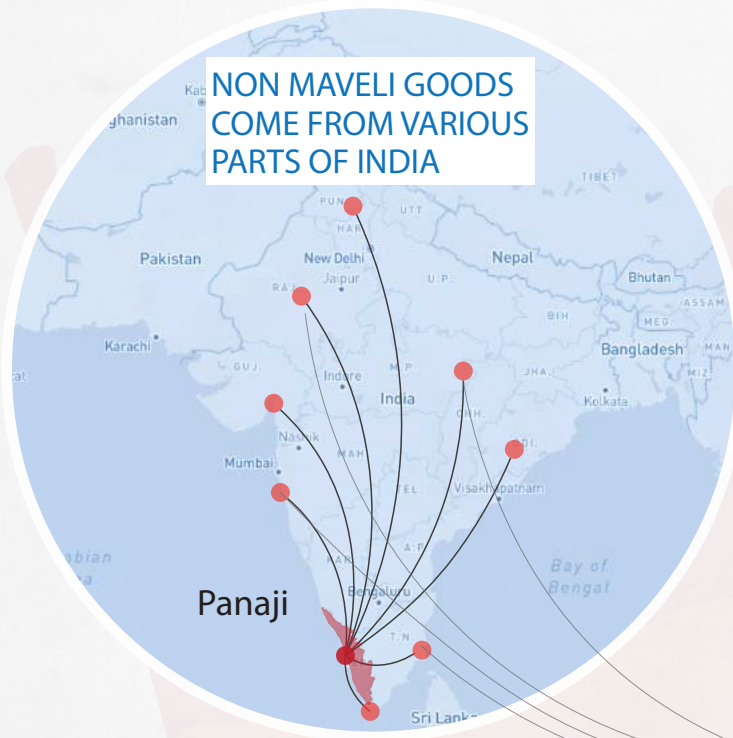


Consumer items account for 11% of the total trips, which include both Maveli and Non-Maveli items. One of the important organizations involved in trading of consumer items in Supplyco, which is a Government of Kerala-owned company headquarters in Kochi. It acts as the execution arm of the Department of Food and Civil Supplies of the Government of Kerala.



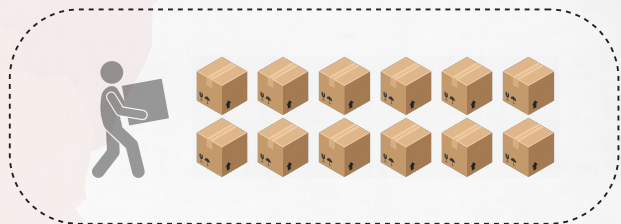
HCVs- Heavy Commercial Vehicles, MGVs- Medium Goods Vehicles, LCVs- Light Commercial Vehicles

NON-MAVELI PRODUCTS
(FMCG)

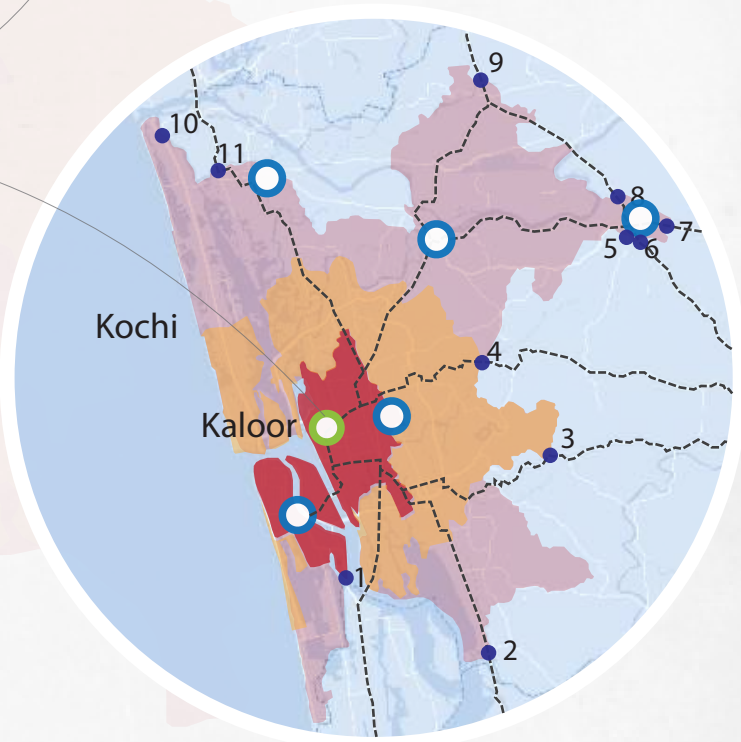


NON-MAVELI PRODUCTS
INCLUDE CONSUMER
PREPACKED ITEMS.
THEY ARE IMPORTED TO
KOCHI FROM MANUFACTURERS
BASED IN KERALA AND
OTHER STATES OF INDIA

Non-Maveli products/goods come from various
Kerala based (established brands) and
interstate (out of Kerala) manufacturers

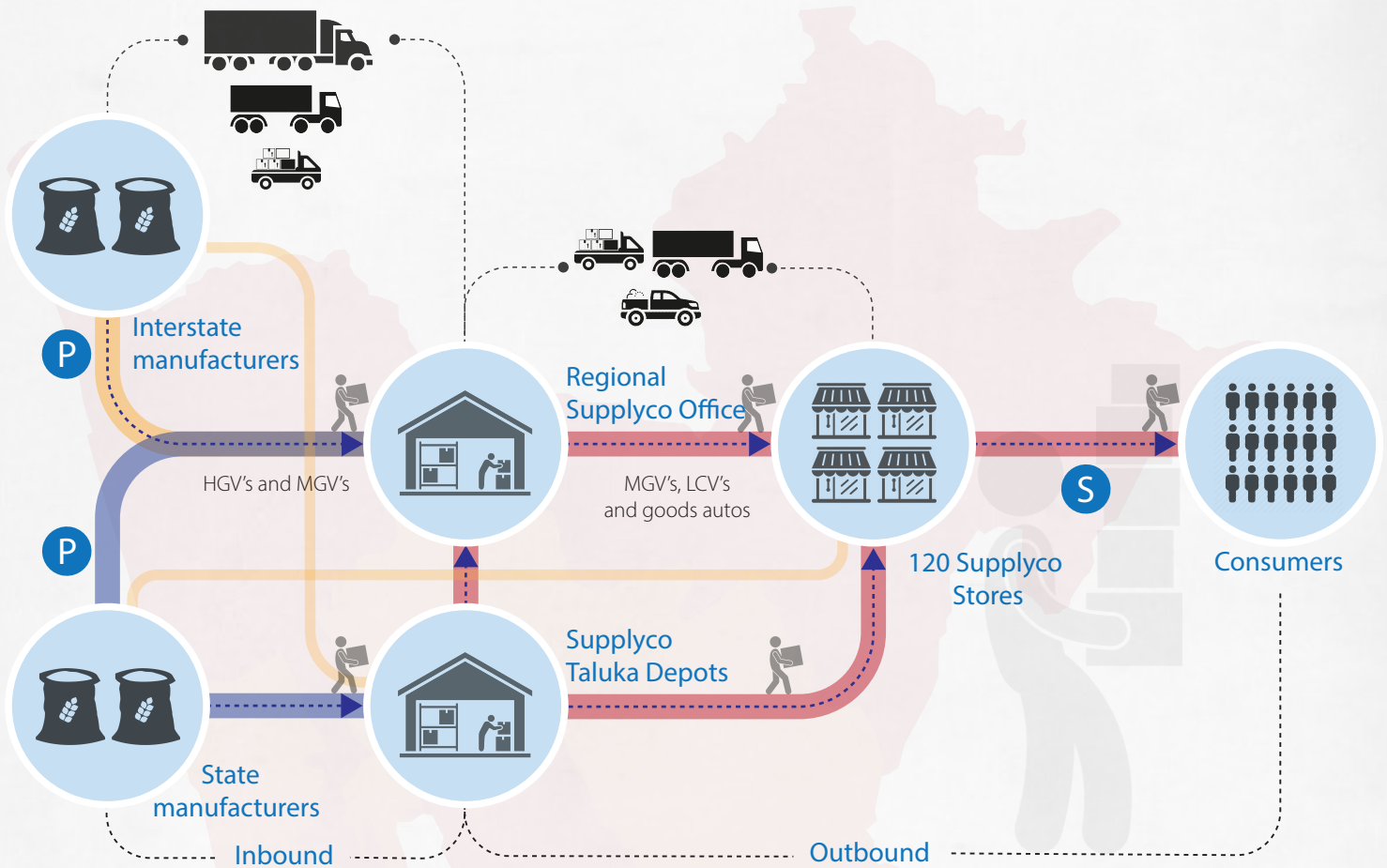


GOODS ARE DELIVERED
TO THE REGIONAL
SUPPLYCO OFFICE IN
KALOOR, EXCEPT OIL AND
FOOD GRAINS WHICH ARE
DELIVERED TO 5 TALUKA
DEPOTS LOCATED ON THE
PERIPHERY OF THE CITY

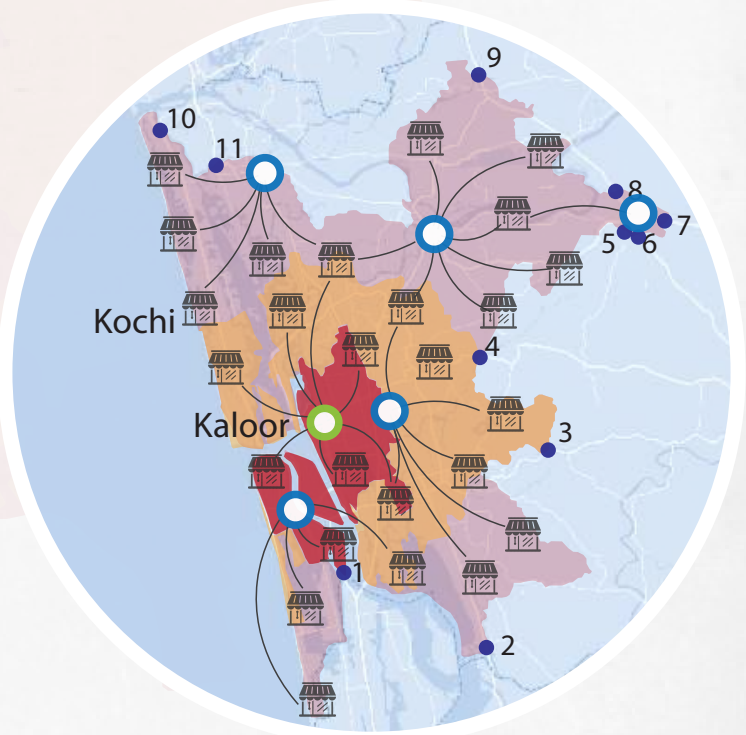


- Kochi Municipal Corporation Area
- Kochi City Region
- Greater Cochin Development Area
- Cordon points
- SupplyCo Regional Office
- SupplyCo Taluka Depots

NON-MAVELI PRODUCTS



GOODS FROM KALOOR REGIONAL SUPPLYCO OFFICE AND 5 TALUKA DEPOTS ARE DISTRIBUTED TO 120 SUPPLYCO STORES IN KOCHI



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