



SRF

THE CENTRE FOR
SUSTAINABLE ROAD FREIGHT



INDIA & THE UK LOGISTICS COMPARISON

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INDIA & UK

SIZE



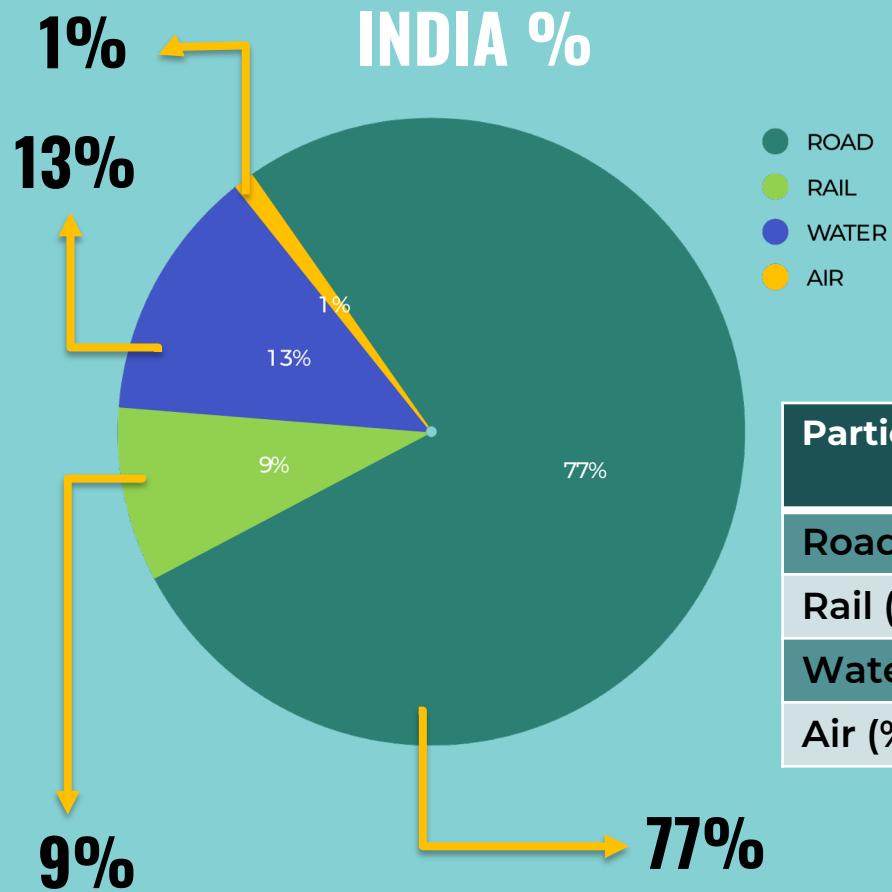
India: **3.3 m Sq. KM**
UK: **242500 Sq. KM**

URBANISATION

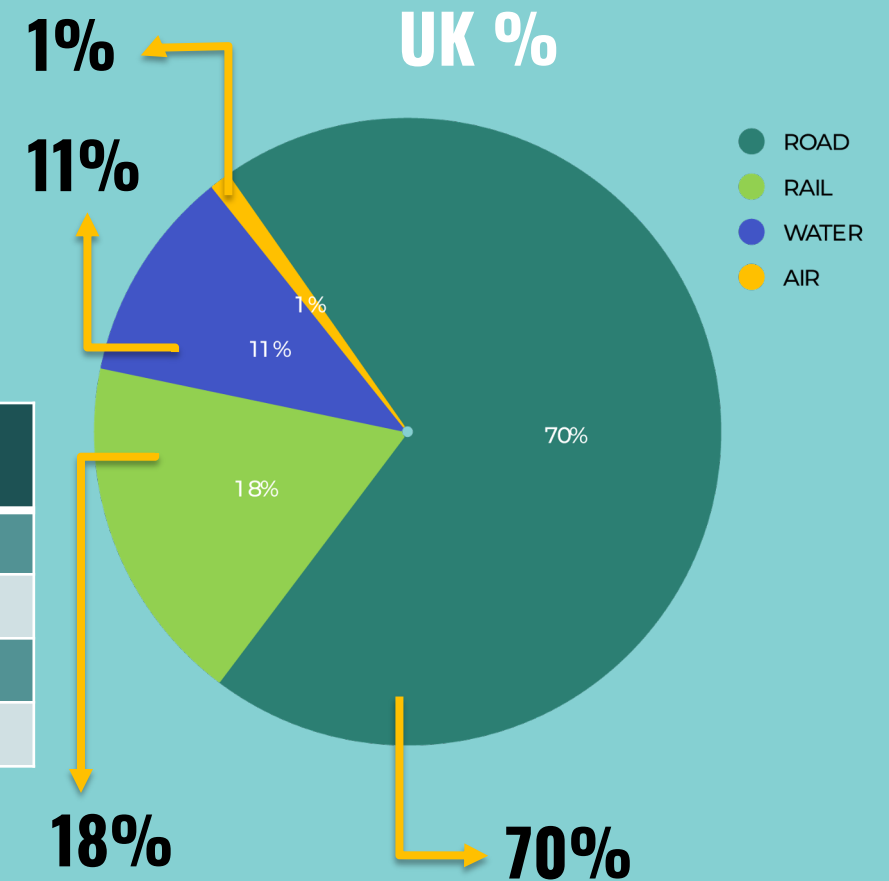


India: **34%**
UK: **83%**

■ MATERIAL LIFTING ANALYSIS ■



Particulars	India	UK
Road (%)	77	70
Rail (%)	9	18
Water (%)	13	11
Air (%)	1	1



■ IMPORTANT STATISTICS ■

Vehicle Population

Type of Truck	India	UK
LCV	1670000	4400000
HGV	4900000	529400

Avg. Haul

India	UK
330 KM	108 KM

Reference: India – NITI Aayog, UK- Dept of transport.

■ GDP ANALYSIS ■

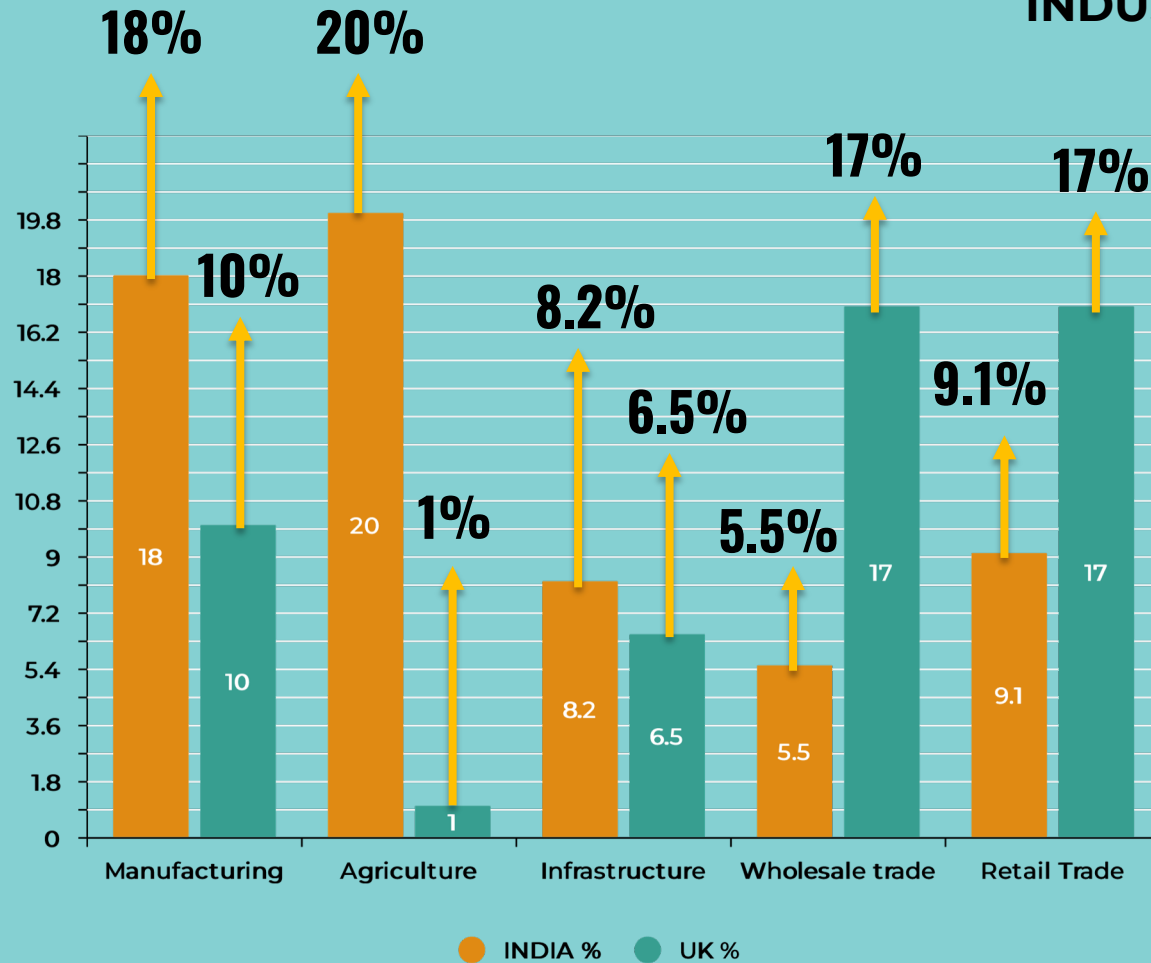
1. **INDIA** 2.87 Trillion US Dollars
2. **UK** 2.83 Trillion US Dollars

Share of Logistics

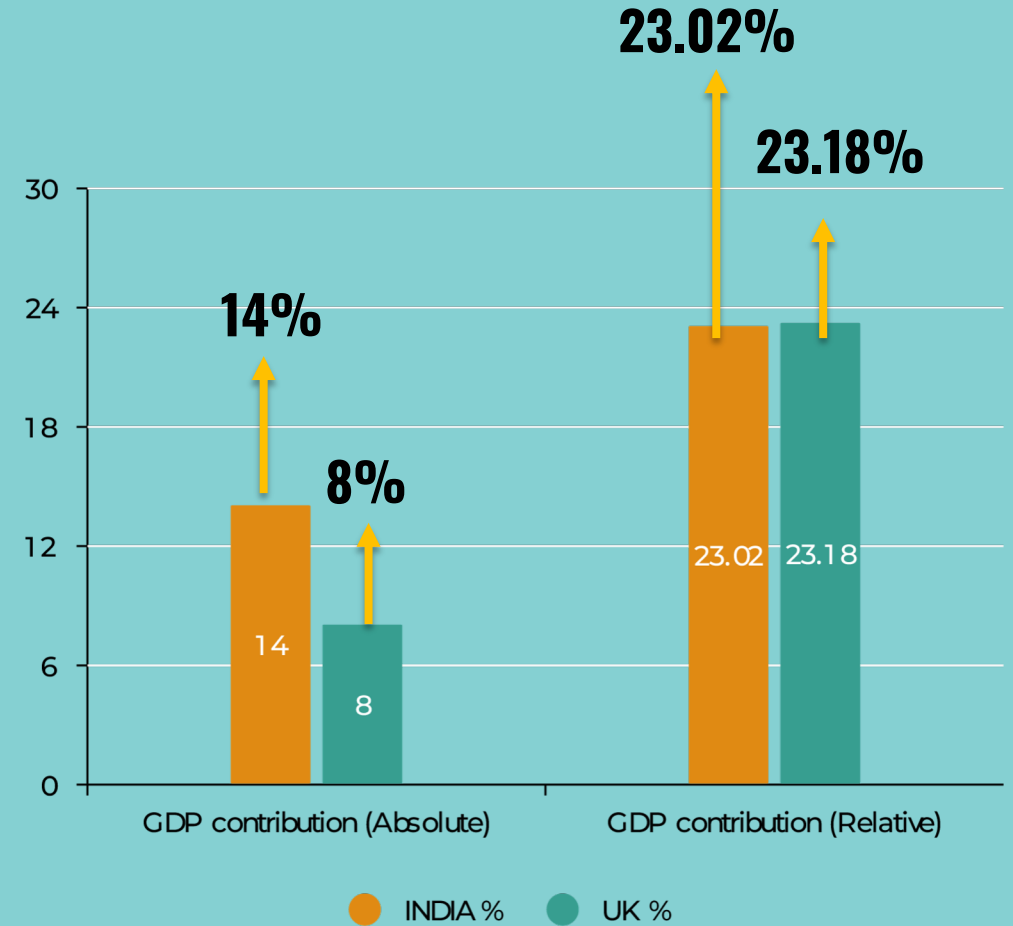


■ DECOUPLING GDP ■

INDUSTRY



Total: **60.8** **34.5**



VEHICLE CATEGORIES

India GVW (in MT)	UK GVW (in MT)
Below 7.5	Below 3.5
7.5 – 16	3.5 – 7.5
16	7.5 – 18
25	18
31	25
41	26
44+	30
48	36
55	40
	44

VEHICLE SPECIFICATIONS COMPARISON

	India: 44 MT GVW	UK: 44 MT GVW
Torque (nm)	950	1900
Horsepower (hp)	250	530
Engine (CC)	6700	12600

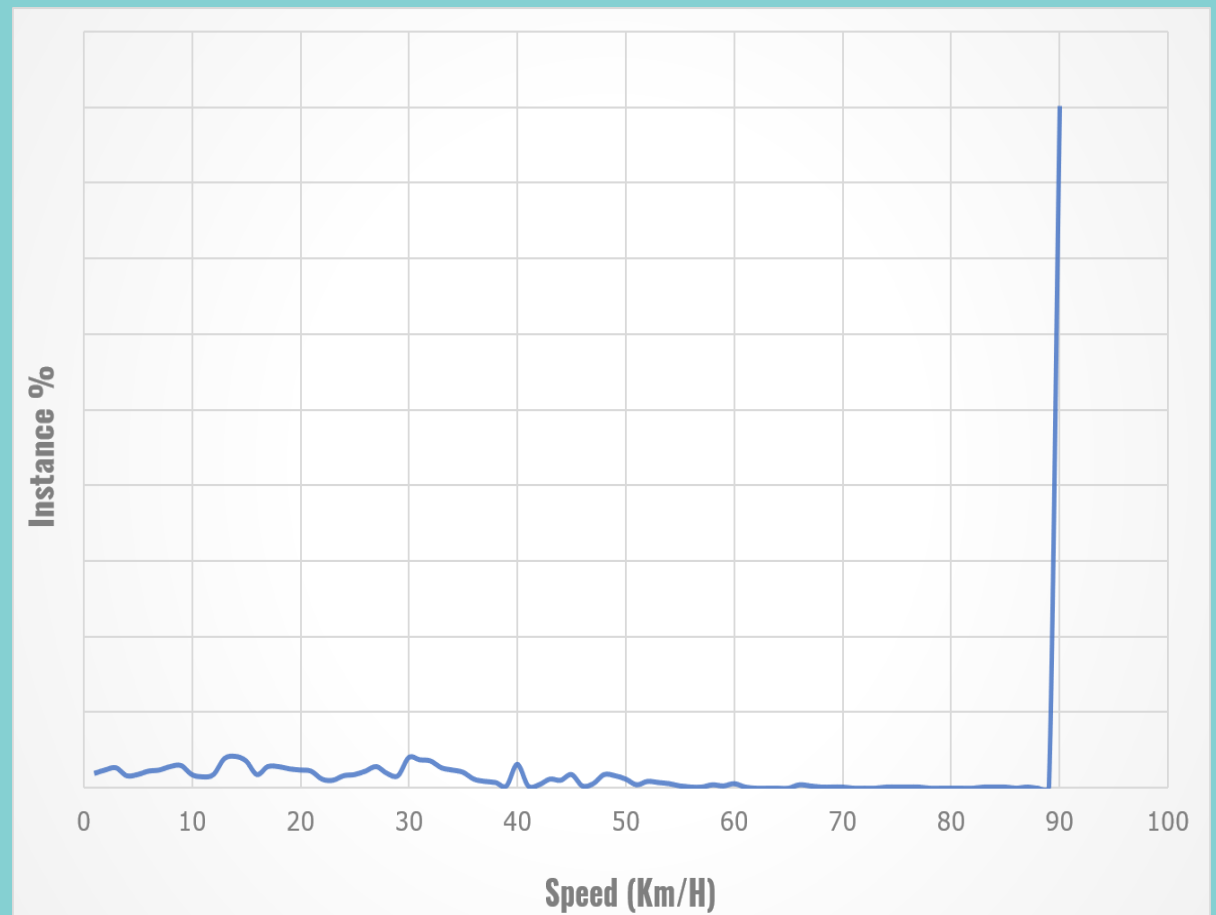


DRIVE CYCLE ANALYSIS

INDIA



UK



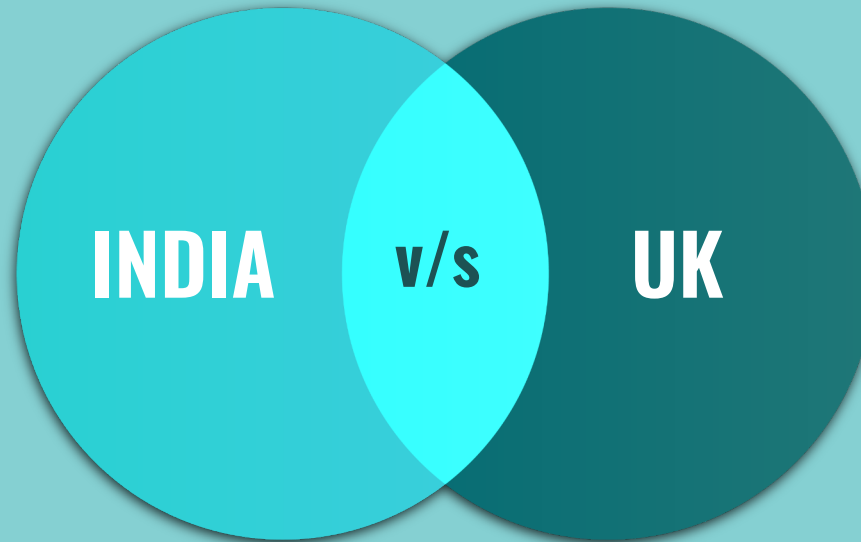
■ DRIVER CRISIS ■

Both India & the UK are facing truck driver shortages in their respective road logistics industries, although the extent and underlying factors differ between the two countries.

India	UK
Low cost entry	High cost entry
Smoking allowed	No smoking in cab(strict)
No training	CPC modules
N/A	Brexit
N/A	IR35
N/A	Self employed to SPV
Low pay	Moderate to high pay
Social rejection	Social acceptance

■ EV IMPLEMENTATION STRATEGIES ■

ERS ▲
(Electric road
systems)

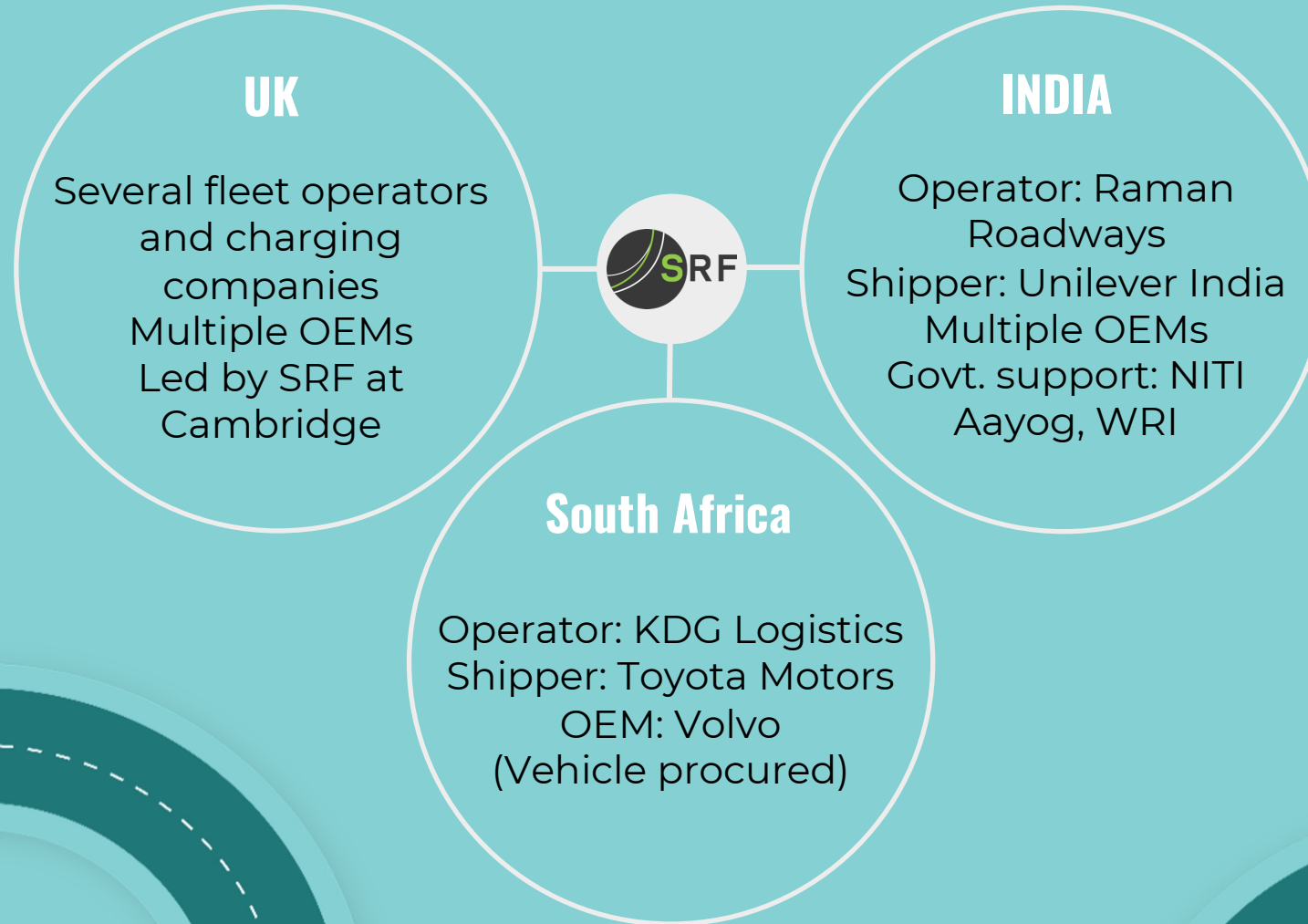


- ▲ Opportunity Charging
- ▲ Resting Law
- ▲ Static Charging Infrastructure
- ▲ ERS (Electric road systems)

■ SUMMARY AND FUTURE WORK ■

- India and UK are different in many aspects.
- A best practice exchange can make things better for both countries.
- BEV India trials is going live soon.
- Collecting and analysing data for international battery electric HGV trials.

INTERNATIONAL BATTERY ELECTRIC HGV TRIALS



A stylized graphic of a road with white dashed lines on a teal background. The road enters from the bottom left, curves into a loop, and then exits to the right, where it curves upwards and towards the top right corner. A small orange truck is driving on the road in the upper right section.

THANK YOU

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