**LIGHT-DUTY VEHICLE EFFICIENCY STANDARDS**

**PASSENGER CAR**

- **New sales**: 2.5 million (Fiscal Year 2013-2014)
- **Metric**: CO₂ emission/Fuel Consumption (l/100km)
- **Regulatory agency**: Bureau of Energy Efficiency (BEE) and Ministry of Power
- **Regulated vehicles**: Vehicle weight under 3,500 kg with no more than 9 seats
- **Timeframe**: 2016 and 2021
- **Fleet target**: 130 g/km (FY 2016-17) and 113 g/km (FY 2021-22)
- **Actual new vehicle fleet average**: 136.6 g/km (FY 2012-13)
- **Compliance parameter**: Weight-based corporate average
- **Test cycle**: NEDC for low powered vehicles https://www.araiindia.com/CMVR_TAP_Documents/Index.htm
- **Emission standards**: Bharat IV (similar to Euro 4) in 30 cities, including national capital regions (approximately 1/3 of sales)
  - Bharat III for the rest of the country http://morth.nic.in/showfile.asp?id=1429
- **Key sources**: Ministry of Road Transport and Highways (MORTH) http://morth.nic.in/
- **Notes**: The implementing agency of the standards is MORTH

**FUEL CONSUMPTION HISTORICAL TREND AND FUTURE TARGET**

<table>
<thead>
<tr>
<th>Year</th>
<th>km/L</th>
<th>g/km</th>
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<tbody>
<tr>
<td>2006</td>
<td>153</td>
<td></td>
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<tr>
<td>2007</td>
<td>141</td>
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<td>2008</td>
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<td>2009</td>
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<td>2010</td>
<td>136</td>
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<td>2016 target: 130 g/km (18.0 km/L)</td>
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<td>2021 target: 113 g/km (20.7 km/L)</td>
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**Annual reduction rates:**
- 1.9% (2006-2007)
- 2.0% (2007-2008)
- -0.5% (2008-2009)
LIGHT COMMERCIAL VEHICLES

New sales 438,000 (N1), 11,000 (M2) (FY 2012-2013)

Vehicle definitions Cargo vehicles with maximum designed gross weigh under 3500 kg (N1) and passenger vehicles with more than 9 seats weighing under 5000 kg (M2)

Actual new vehicle fleet average 145.4 g/km (N1), 209.2 g/km (M2) (FY 2011-2012)

Note Currently no CO₂ emission standard for light commercial vehicles

CO₂ EMISSION VS. CURB WEIGHT FOR N1 SEGMENT

CO₂ EMISSION VS. CURB WEIGHT FOR M2 SEGMENT